

RF TEST REPORT

Applicant PATEO CONNECT Technology
(Shanghai) Corporation

FCC ID 2BOT7-PCM3-NA

Product Infotainment System

Brand PATEO

Model PCCM Plus 997/987 II;
PCCM Plus 991/981 I

Report No. EFTA25020036-IE-08-R1V1

Issue Date August 19, 2025

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2 / FCC CFR 47 Part 22H / FCC CFR 47 Part 24E / FCC CFR47 Part 27C**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Version	Revision Description	Issue Date
Rev.0	Initial issue of report.	July 1, 2025
Rev.1	Add the data of Radiated Spurious Emission for model PCCM Plus 997/987 II.	August 19, 2025
Note: This revised report (Report No.: EFTA25020036-IE-08-R1V1) supersedes and replaces the previously issued report (Report No.: EFTA25020036-IE-08-R1). Please discard or destroy the previously issued report and dispose of it accordingly.		

Summary of Measurement Results

Test Case	Clause in FCC rules	Limits	Verdict
GSM 850; WCDMA Band 5; LTE Band 5			
RF Power Output and Effective Radiated Power	2.1046 22.913(a)(5)	$\leq 7 \text{ W (38.45 dBm)}$	PASS Note 1
Occupied Bandwidth	Refer to the Module report (Report No.: FG180602A for GSM/WCDMA; Report No.: FG180602B for LTE; FCC ID: XMR201905AG35NA, Grant date: 09/29/2021)		
Band Edge Compliance			
Peak-to-Average Power Ratio			
Frequency Stability			
Spurious Emissions at Antenna Terminals			
Radiated Spurious Emission	2.1053 22.917 (a)	$\leq -13 \text{ dBm}$	PASS
WCDMA Band 2; LTE Band 2			
RF Power Output and Effective Isotropic Radiated Power	2.1046 24.232(c)	$\leq 2 \text{ W (33 dBm)}$	PASS Note 1
Occupied Bandwidth	Refer to the Module report (Report No.: FG180602A for GSM/WCDMA; Report No.: FG180602B for LTE; FCC ID: XMR201905AG35NA, Grant date: 09/29/2021)		
Band Edge Compliance			
Peak-to-Average Power Ratio			
Frequency Stability			
Spurious Emissions at Antenna Terminals			
Radiated Spurious Emission	2.1053 24.238(a)	$\leq -13 \text{ dBm}$	PASS
GSM 1900			
RF Power Output and Effective Isotropic Radiated Power	2.1046 24.232(c)	$\leq 2 \text{ W (33 dBm)}$	PASS
Occupied Bandwidth	2.1049	No specific requirements	PASS
Band Edge Compliance	2.1051 24.238(a)	$\leq -13 \text{ dBm}$	PASS
Peak-to-Average Power Ratio	24.232 (d) KDB 971168 D01(5.7)	$\leq 13 \text{ dB}$	PASS
Frequency Stability	Refer to the Module report (Report No.: FG180602A for GSM/WCDMA; Report No.: FG180602B for LTE; FCC ID: XMR201905AG35NA, Grant date: 09/29/2021)		
Spurious Emissions at Antenna	2.1051	$\leq -13 \text{ dBm}$	PASS

Test Case	Clause in FCC rules	Limits	Verdict
Terminals	24.238(a)		
Radiated Spurious Emission	2.1053 24.238(a)	≤ -13 dBm	PASS
WCDMA Band 4			
RF Power Output and Effective Isotropic Radiated Power	2.1046 27.50(d)(4)	≤ 1 W (30 dBm)	PASS ^{Note 1}
Occupied Bandwidth	Refer to the Module report (Report No.: FG180602A for GSM/WCDMA; Report No.: FG180602B for LTE; FCC ID: XMR201905AG35NA, Grant date: 09/29/2021)		
Band Edge Compliance			
Peak-to-Average Power Ratio			
Frequency Stability			
Spurious Emissions at Antenna Terminals			
Radiated Spurious Emission	2.1053 27.53(h)	≤ -13 dBm	PASS
LTE Band 4			
RF Power Output and Effective Isotropic Radiated Power	2.1046 27.50(d)(4)	≤ 1 W (30 dBm)	PASS
Occupied Bandwidth	2.1049	No specific requirements	PASS
Band Edge Compliance	2.1051 27.53(h)	≤ -13 dBm	PASS
Peak-to-Average Power Ratio	27.50(d)(5) KDB971168 D01(5.7)	≤ 13 dB	PASS
Frequency Stability	Refer to the Module report (Report No.: FG180602A for GSM/WCDMA; Report No.: FG180602B for LTE; FCC ID: XMR201905AG35NA, Grant date: 09/29/2021)		
Spurious Emissions at Antenna Terminals	2.1051 27.53(h)	≤ -13 dBm	PASS
Radiated Spurious Emission	2.1053 27.53(h)	≤ -13 dBm	PASS
LTE Band 7			
RF Power Output and Effective Isotropic Radiated Power	2.1046 27.50(h)(2)	≤ 2 W (33 dBm)	PASS ^{Note 1}
Occupied Bandwidth	Refer to the Module report (Report No.: FG180602A for GSM/WCDMA; Report No.: FG180602B for LTE; FCC ID: XMR201905AG35NA, Grant date: 09/29/2021)		
Band Edge Compliance			
Peak-to-Average Power Ratio			
Frequency Stability			
Spurious Emissions at Antenna Terminals			
Radiated Spurious Emission	2.1053	≤ -25 dBm	PASS

Test Case		Clause in FCC rules	Limits	Verdict				
		27.53(m)						
LTE Band 12								
RF Power Output and Effective Radiated Power	2.1046 27.50(c)(10)	≤ 3 W (34.77 dBm)		PASS Note 1				
Occupied Bandwidth	Refer to the Module report (Report No.: FG180602A for GSM/WCDMA; Report No.: FG180602B for LTE; FCC ID: XMR201905AG35NA, Grant date: 09/29/2021)							
Band Edge Compliance								
Peak-to-Average Power Ratio								
Frequency Stability								
Spurious Emissions at Antenna Terminals								
Radiated Spurious Emission	2.1053 27.53(g)	≤ -13 dBm		PASS				
LTE Band 13								
RF Power Output and Effective Radiated Power	2.1046 27.50(b)(10)	≤ 3 W (34.77 dBm)		PASS Note 1				
Occupied Bandwidth	Refer to the Module report (Report No.: FG180602A for GSM/WCDMA; Report No.: FG180602B for LTE; FCC ID: XMR201905AG35NA, Grant date: 09/29/2021)							
Band Edge Compliance								
Peak-to-Average Power Ratio								
Frequency Stability								
Spurious Emissions at Antenna Terminals								
Radiated Spurious Emission	2.1053 27.53(c) 27.53(f)	<table><tr><td>Limit out of the band 1559-1610 MHz</td><td>≤ -13 dBm</td></tr><tr><td>Limit in the band 1559-1610 MHz</td><td>≤ -40 dBm</td></tr></table>		Limit out of the band 1559-1610 MHz	≤ -13 dBm	Limit in the band 1559-1610 MHz	≤ -40 dBm	PASS
Limit out of the band 1559-1610 MHz	≤ -13 dBm							
Limit in the band 1559-1610 MHz	≤ -40 dBm							
Date of Testing: March 5, 2025 ~ June 17, 2025 and August 18, 2025 Date of Sample Received: February 11, 2025								
Note: 1. Because of the change of antenna gain, ERP/EIRP need to be re-evaluated. 2. All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.								

1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **Eurofins TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

A2LA (Certificate Number: 3857.01)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

1.3 Testing Location

Company:	Eurofins TA Technology (Shanghai) Co., Ltd.
Address:	Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
City:	Shanghai
Post code:	201201
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Website:	https://www.eurofins.com/electrical-and-electronics
E-mail:	Kain.Xu@cpt.eurofinscn.com

2 General Description of Equipment under Test

2.1 Applicant and Manufacturer Information

Applicant	PATEO CONNECT Technology (Shanghai) Corporation
Applicant address	Room 3701, No. 866 Dongchangzhi Road, Hongkou District, Shanghai, 200080, PR.China
Manufacturer	PATEO CONNECT Technology (Shanghai) Corporation
Manufacturer address	Room 3701, No. 866 Dongchangzhi Road, Hongkou District, Shanghai, 200080, PR.China

2.2 General information

EUT Description				
Model	PCCM Plus 997/987 II; PCCM Plus 991/981 I			
IMEI	Conducted	868040053469780		
Lab internal SN	Radiated	EFTA25020036-IE-08/S01		
Hardware Version	V2.0			
Software Version	rc1.userdebug.PCM3			
Power Supply	External power supply			
Antenna Type	Internal Antenna			
Rated Power Supply Voltage	12VDC			
Operating Voltage	Minimum: 9VDC		Maximum: 16VDC	
Operating Temperature	Lowest: -45°C		Highest: +85°C	
Testing Temperature	Lowest: -30°C		Highest: +50°C	
Operating Frequency Range(s)	Mode	Tx (MHz)	Rx (MHz)	Gain (dBi)
	GSM850	824 ~ 849	869 ~ 894	6.85
	GSM1900	1850 ~ 1910	1930 ~ 1990	6.85
	WCDMA Band II	1850 ~ 1910	1930 ~ 1990	6.85
	WCDMA Band IV	1710 ~ 1755	2110 ~ 2155	6.85
	WCDMA Band V	824 ~ 849	869 ~ 894	6.85
	LTE Band 2	1850 ~ 1910	1930 ~ 1990	6.85
	LTE Band 4	1710 ~ 1755	2110 ~ 2155	6.85
	LTE Band 5	824 ~ 849	869 ~ 894	6.85
	LTE Band 7	2500 ~ 2570	2620 ~ 2690	6.85
	LTE Band 12	699 ~ 716	729 ~ 746	6.85
	LTE Band 13	777 ~ 787	746 ~ 756	6.85
Test Modulation	(GPRS)GMSK, (EGPRS) GMSK/ 8PSK; (WCDMA) BPSK, QPSK; (LTE) QPSK, 16QAM;			

GPRS Multislot Class	33	
EGPRS Multislot Class	33	
HSDPA UE Category	14	
HSUPA UE Category	6	
DC-HSDPA UE Category	6	
LTE Category	4	
Power Class	GSM 850: 4 GSM 1900: 1 WCDMA / LTE: 3	
Maximum E.I.R.P. / E.R.P.	GSM850	36.78 dBm
	GSM1900	32.98 dBm
	WCDMA Band II	29.85 dBm
	WCDMA Band IV	29.96 dBm
	WCDMA Band V	27.64 dBm
	LTE Band 2	29.53 dBm
	LTE Band 4	28.97 dBm
	LTE Band 5	27.76 dBm
	LTE Band 7	29.35 dBm
	LTE Band 12	27.73 dBm
	LTE Band 13	27.49 dBm
Note: 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant. 2. The customer declares that PCCM Plus 997/987 II and PCCM Plus 991/981 I are the same except for different appearance. This report only tests PCCM Plus 991/981 I.		

3 Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC CFR 47 Part 2 (2024)

FCC CFR 47 Part 22H (2024)

FCC CFR 47 Part 24E (2024)

FCC CFR 47 Part 27C (2024)

Reference standard:

ANSI C63.26-2015

KDB 971168 D01 Power Meas License Digital Systems v03r01

4 Test Configuration

All mode and data rates and positions and RB size and modulations were investigated.

Subsequently, only the worst case emissions are reported.

The following testing in GSM/WCDMA/LTE is set based on the maximum RF Output Power.

The following testing in different Bandwidth is set to detail in the following table:

Test modes are chosen to be reported as the worst case configuration below:

Test items	Modes/Modulation		
	GSM 850	GSM 1900	WCDMA Band 2/4/5
RF Power Output and Effective (Isotropic) Radiated power	GSM GPRS EGPRS	GSM GPRS EGPRS	RMC HSDPA/HSUPA DC-HSDPA
Occupied Bandwidth	--	GSM GPRS(1Tx slot) EGPRS(1Tx slot)	--
Band Edge Compliance	--	GSM GPRS(1Tx slot) EGPRS(1Tx slot)	--
Peak-to-Average Power Ratio	--	GSM GPRS(1Tx slot) EGPRS(1Tx slot)	--
Spurious Emissions at Antenna Terminals	--	GSM	--
Radiated Spurious Emission	GSM	GSM	RMC

Test modes are chosen to be reported as the worst case configuration below for LTE Band:

Test items	Modes	Bandwidth (MHz)						Modulation		RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM/ 64QAM	1	50%	100%	L	M	H
RF Power Output and Effective Isotropic Radiated Power	LTE 4	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Occupied Bandwidth	LTE 4	O	O	O	O	O	O	O	O	-	-	O	O	O	O
Band Edge Compliance	LTE 4	O	O	O	O	O	O	O	O	O	-	O	O	-	O
Peak-to-Average Power Ratio	LTE 4	O	O	O	O	O	O	O	O	-	-	O	O	O	O
Spurious Emissions at Antenna Terminals	LTE 4	O	O	O	O	O	O	O	-	O	-	-	O	O	O
Radiated Spurious Emission	LTE 2	O	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 4	O	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 5	O	-	O	O	-	-	O	-	O	-	-	-	O	-
	LTE 7	-	-	O	-	-	O	O	-	O	-	-	-	O	-
	LTE 12	O	-	O	O	-	-	O	-	O	-	-	-	O	-
	LTE 13	-	-	O	O	-	-	O	-	O	-	-	-	O	-
Note	1. The mark "O" means that this configuration is chosen for testing. 2. The mark "-" means that this configuration is not testing.														

5 Test Case

5.1 RF Power Output and Effective Isotropic Radiated Power

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Methods of Measurement

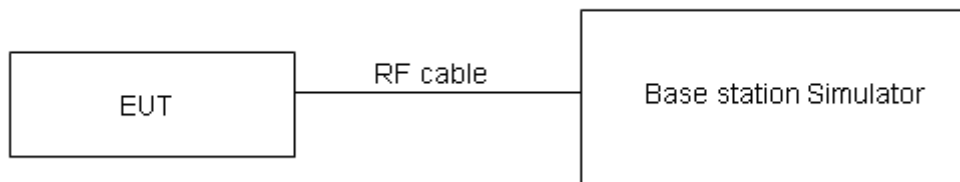
During the process of the testing, The EUT was connected to the Base Station Simulator with a known loss. The EUT is controlled by the Base Station Simulator test set to ensure max power transmission with proper modulation.

ERP can then be calculated as follows:

$\text{EIRP (dBm)} = \text{Output Power (dBm)} + \text{Antenna Gain (dBi)}$

$\text{EIRP (dBm)} = \text{ERP (dBm)} + 2.15 \text{ (dB.)}$

Test Setup



Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U=0.4$ dB for RF power output, $k = 2$, $U= 1.19$ dB for ERP/EIRP.

Test Results

Refer to the section 6.1 of this report for test data.

5.2 Occupied Bandwidth

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

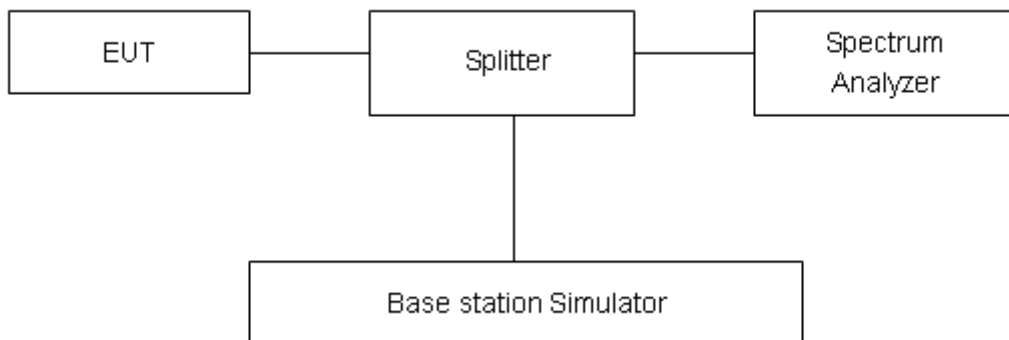
Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The occupied bandwidth is measured using spectrum analyzer.

RBW is set to $\geq 1\%EBW$, VBW is set to 3x RBW.

99% power and -26dBc occupied bandwidths are recorded. Spectrum analyzer plots are included on the following pages.

Test Setup



Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U=624\text{Hz}$.

Test Results

Refer to the section 6.2 of this report for test data.

5.3 Band Edge Compliance

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The band edge of the lowest and highest channels were measured.

The testing follows KDB 971168 D01 v03r01 Section 6.0

The EUT was connected to spectrum analyzer and system simulator via a power divider.

The band edges of low and high channels for the highest RF powers were measured.

For LTE Band 7 set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.

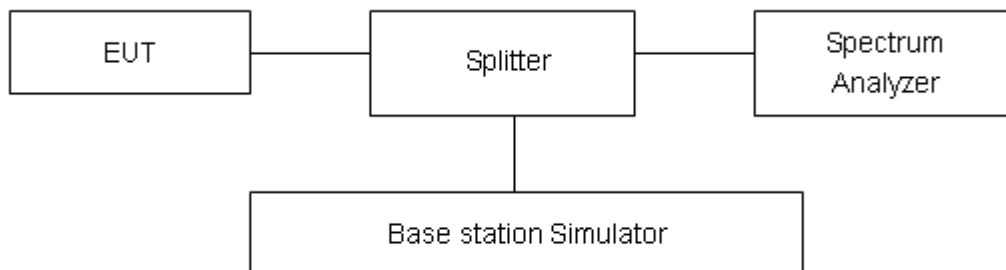
RBW is set to $\geq 1\%$ EBW, VBW is set to 3x RBW on spectrum analyzer.

Set spectrum analyzer with RMS detector.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

Checked that all the results comply with the emission limit line.

Test Setup



Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U=0.684\text{dB}$.

Test Results

Refer to the section 6.3 of this report for test data.

5.4 Peak-to-Average Power Ratio (PAPR)

Ambient condition

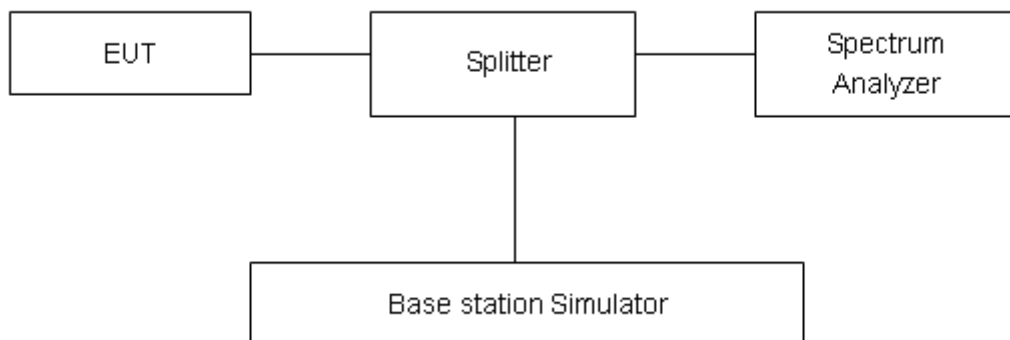
Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Methods of Measurement

Measure the total peak power and record as PPK. And measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from:

$PAPR (dB) = PPK (dBm) - PAvg (dBm)$.

Test Setup



Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.4$ dB.

Test Results

Refer to the section 6.4 of this report for test data.

5.5 Spurious Emissions at Antenna Terminals

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Method of Measurement

The EUT was connected to Spectrum Analyzer and Base Station Simulator via power Splitter. The measurement is carried out using a spectrum analyzer. The spectrum analyzer scans from 9kHz to the 10th harmonic of the carrier. The peak detector is used.

RBW is set to 1 kHz (0.009MHz~ 0.15 MHz),

RBW is set to 10 kHz (0.15 MHz~ 30 MHz)

RBW is set to 100 kHz (30MHz~1000 MHz)

RBW is set to 1000 kHz (above 1000MHz)

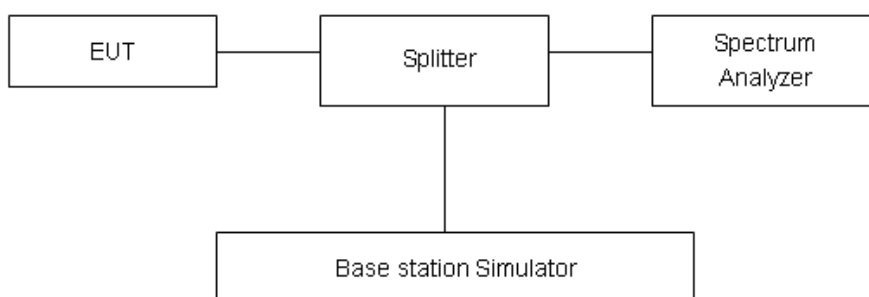
For Band 2/7, the RBW is set to 100KHz below 1G, and the factor is 10dB for 1MHz.

Sweep is set to AUTO.

Of those disturbances below (limit – 20 dB), the mark is not required for the EUT.

The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup



Measurement Uncertainty

The assessed measurement uncertainty to ensure 99.75% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
9kHz-1GHz	0.684 dB
above 1GHz	1.407 dB

Test Results

Refer to the section 6.5 of this report for test data.

5.6 Radiated Spurious Emission

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Method of Measurement

1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI C63.26-2015.
2. Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
3. A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
4. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=100kHz, VBW=300kHz for 30MHz to 1GHz and RBW=1MHz, VBW=3MHz for above 1GHz, and the maximum value of the receiver should be recorded as (Pr).
5. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
6. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
7. The measurement results are obtained as described below:

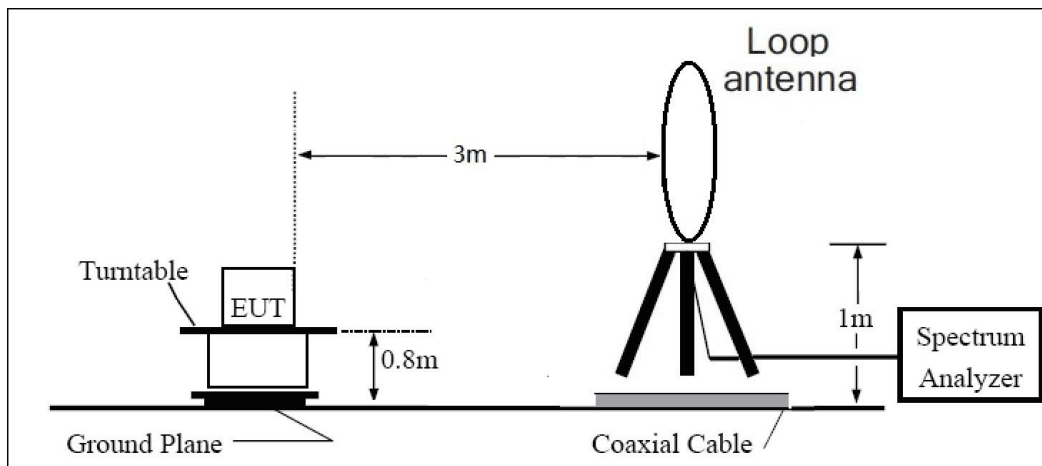
$$\text{Power(EIRP)} = \text{PMea} - \text{PAg} - \text{Pcl} + \text{Ga}$$
The measurement results are amend as described below:

$$\text{Power(EIRP)} = \text{PMea} - \text{Pcl} + \text{Ga}$$
8. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, $\text{ERP} = \text{EIRP} - 2.15\text{dB}$.

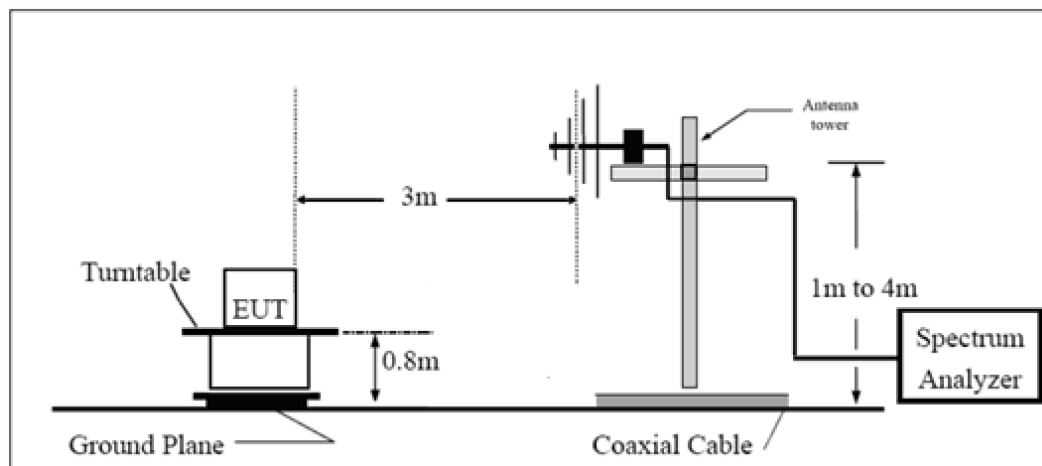
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

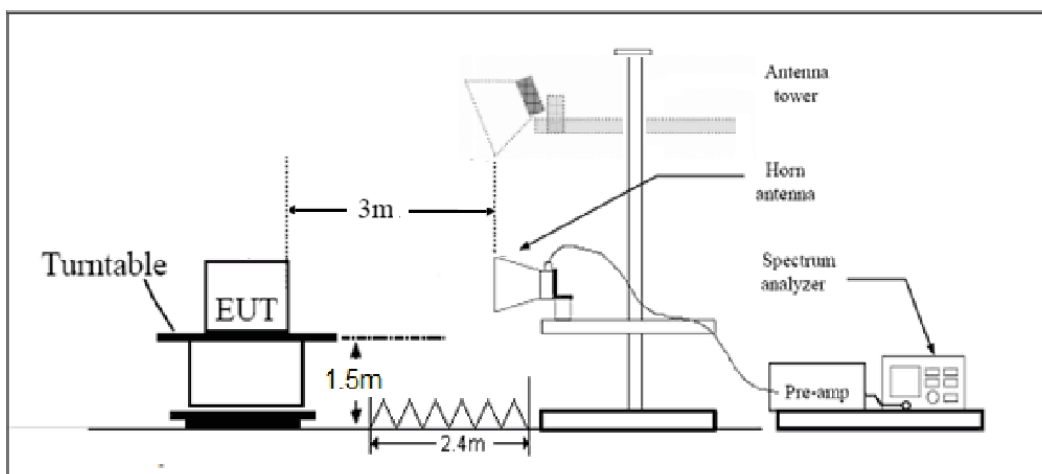
9KHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = \pm 1.96$, $U = \pm 3.55$ dB.

Test Results

Refer to the section 6.6 of this report for test data.

6 Test Results

6.1 RF Power Output and Effective (Isotropic) Radiated Power

GSM850	Maximum Output Power (dBm)			ERP (dBm)		
	Channel 128	Channel 190	Channel 251	Channel 128	Channel 190	Channel 251
	824.2 (MHz)	836.6 (MHz)	848.8 (MHz)	824.2 (MHz)	836.6 (MHz)	848.8 (MHz)
GSM	32.07	31.98	32.03	36.77	36.68	36.73
GPRS class 8	32.08	32.00	32.05	36.78	36.70	36.75
GPRS class 10	30.99	30.92	31.02	35.69	35.62	35.72
GPRS class 11	28.73	28.76	28.78	33.43	33.46	33.48
GPRS class 12	28.18	28.24	28.36	32.88	32.94	33.06
EGPRS class 8	26.41	26.38	26.46	31.11	31.08	31.16
EGPRS class 10	25.36	25.32	25.41	30.06	30.02	30.11
EGPRS class 11	23.81	23.78	23.86	28.51	28.48	28.56
EGPRS class 12	22.76	22.70	22.74	27.46	27.40	27.44

GSM 1900	Maximum Output Power (dBm)			EIRP (dBm)		
	Channel 512	Channel 661	Channel 810	Channel 512	Channel 661	Channel 810
	1850.2 (MHz)	1880 (MHz)	1909.8 (MHz)	1850.2 (MHz)	1880 (MHz)	1909.8 (MHz)
GPRS class 8	25.89	26.09	26.12	32.74	32.94	32.97
GPRS class 10	25.77	25.95	26.02	32.62	32.80	32.87
GPRS class 11	23.61	23.55	23.45	30.46	30.40	30.30
GPRS class 12	22.70	22.25	22.14	29.55	29.10	28.99
EGPRS class 8	25.96	26.13	26.12	32.81	32.98	32.97
EGPRS class 10	25.81	25.98	25.96	32.66	32.83	32.81
EGPRS class 11	23.51	23.57	23.60	30.36	30.42	30.45
EGPRS class 12	22.80	22.25	22.10	29.65	29.10	28.95

WCDMA Band II	Maximum Output Power (dBm)			EIRP (dBm)		
	Channel 9262	Channel 9400	Channel 9538	Channel 9262	Channel 9400	Channel 9538
	1852.4 (MHz)	1880 (MHz)	1907.6 (MHz)	1852.4 (MHz)	1880 (MHz)	1907.6 (MHz)
RMC 12.2K	22.83	23.00	22.88	29.68	29.85	29.73
HSDPA Subtest-1	22.66	22.66	22.60	29.51	29.51	29.45
HSDPA SuhtftM-2	22.62	22.59	22.58	29.47	29.44	29.43
HSDPA Subtest-3	22.32	22.25	22.30	29.17	29.10	29.15
HSDPA Subtest-4	22.34	22.22	22.27	29.19	29.07	29.12
DC-HSDPA Subtest-1	22.56	22.65	22.57	29.41	29.50	29.42
DC-HSDPASubtest-2	22.54	22.58	22.54	29.39	29.43	29.39
DC-HSDPA Subtest-3	22.21	22.19	22.14	29.06	29.04	28.99
DC-HSDPA Subtest-4	22.15	22.17	22.21	29.00	29.02	29.06
HSUPA Subtest-1	22.33	22.43	22.35	29.18	29.28	29.20
HSUPA Subtest-2	21.16	21.20	21.22	28.01	28.05	28.07
HSUPA Subtest-3	21.69	21.76	21.65	28.54	28.61	28.50
HSUPA Subtest-4	21.20	21.26	21.21	28.05	28.11	28.06
HSUPA Subtest-5	22.21	22.30	22.24	29.06	29.15	29.09

WCDMA Band IV	Maximum Output Power (dBm)			EIRP (dBm)		
	Channel 1312	Channel 1413	Channel 1513	Channel 1312	Channel 1413	Channel 1513
	1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)	1712.4 (MHz)	1732.6 (MHz)	1752.6 (MHz)
RMC 12.2K	22.82	23.11	23.00	29.67	29.96	29.85
HSDPA Subtest-1	22.50	22.80	22.70	29.35	29.65	29.55
HSDPA SuhtftM-2	22.50	22.75	22.65	29.35	29.60	29.50
HSDPA Subtest-3	22.10	22.46	22.33	28.95	29.31	29.18
HSDPA Subtest-4	22.09	22.45	22.32	28.94	29.30	29.17
DC-HSDPA Subtest-1	22.45	22.77	22.68	29.30	29.62	29.53
DC-HSDPASubtest-2	22.43	22.75	22.66	29.28	29.60	29.51
DC-HSDPA Subtest-3	22.12	22.45	22.30	28.97	29.30	29.15
DC-HSDPA Subtest-4	22.06	22.39	22.31	28.91	29.24	29.16
HSUPA Subtest-1	22.42	22.53	22.48	29.27	29.38	29.33
HSUPA Subtest-2	21.01	21.10	21.10	27.86	27.95	27.95
HSUPA Subtest-3	21.55	21.62	21.57	28.40	28.47	28.42
HSUPA Subtest-4	21.00	21.09	21.03	27.85	27.94	27.88
HSUPA Subtest-5	22.11	22.18	22.15	28.96	29.03	29.00

WCDMA Band V	Maximum Output Power (dBm)			ERP (dBm)		
	Channel 4132	Channel 4183	Channel 4233	Channel 4132	Channel 4183	Channel 4233
	826.4 (MHz)	836.6 (MHz)	846.6 (MHz)	826.4 (MHz)	836.6 (MHz)	846.6 (MHz)
RMC 12.2K	22.94	22.84	22.87	27.64	27.54	27.57
HSDPA Subtest-1	22.45	22.40	22.43	27.15	27.10	27.13
HSDPA Subtest-2	22.40	22.37	22.42	27.10	27.07	27.12
HSDPA Subtest-3	22.08	22.00	22.01	26.78	26.70	26.71
HSDPA Subtest-4	22.05	21.98	21.99	26.75	26.68	26.69
DC-HSDPA Subtest-1	22.47	22.40	22.35	27.17	27.10	27.05
DC-HSDPA Subtest-2	22.42	22.42	22.33	27.12	27.12	27.03
DC-HSDPA Subtest-3	21.91	21.92	21.88	26.61	26.62	26.58
DC-HSDPA Subtest-4	21.93	21.98	21.89	26.63	26.68	26.59
HSUPA Subtest-1	22.20	22.17	22.15	26.90	26.87	26.85
HSUPA Subtest-2	21.21	21.11	21.14	25.91	25.81	25.84
HSUPA Subtest-3	21.68	21.58	21.60	26.38	26.28	26.30
HSUPA Subtest-4	21.18	21.13	21.12	25.88	25.83	25.82
HSUPA Subtest-5	22.17	22.18	22.14	26.87	26.88	26.84

LTE Band 2									
BW[MHz]	RB Size	RB Offset	Mod	Maximum Output Power (dBm)			EIRP (dBm)		
				Lowest	Middle	Highest	Lowest	Middle	Highest
20	1	0	QPSK	22.21	22.34	22.19	29.06	29.19	29.04
20	1	49		22.29	22.36	22.68	29.14	29.21	29.53
20	1	99		22.21	22.25	22.44	29.06	29.10	29.29
20	50	0		21.41	21.32	21.55	28.26	28.17	28.40
20	50	24		21.61	21.53	21.50	28.46	28.38	28.35
20	50	50		21.42	21.47	21.46	28.27	28.32	28.31
20	100	0		21.47	21.40	21.53	28.32	28.25	28.38
20	1	0	16-QAM	21.63	21.64	21.29	28.48	28.49	28.14
20	1	49		21.24	21.47	21.35	28.09	28.32	28.20
20	1	99		21.23	21.32	21.32	28.08	28.17	28.17
20	50	0		20.34	20.37	20.58	27.19	27.22	27.43
20	50	24		20.04	20.54	20.54	26.89	27.39	27.39
20	50	50		20.46	20.53	20.47	27.31	27.38	27.32
20	100	0		20.50	20.45	20.51	27.35	27.30	27.36
15	1	0	QPSK	22.23	22.28	22.38	29.08	29.13	29.23
15	1	37		22.48	22.34	22.58	29.33	29.19	29.43
15	1	74		22.23	22.32	22.44	29.08	29.17	29.29
15	36	0		21.40	21.34	21.49	28.25	28.19	28.34
15	36	20		21.47	21.50	21.47	28.32	28.35	28.32
15	36	39		21.52	21.56	21.53	28.37	28.41	28.38
15	75	0		21.48	21.39	21.51	28.33	28.24	28.36
15	1	0	16-QAM	21.34	21.19	21.38	28.19	28.04	28.23
15	1	37		21.32	21.11	21.16	28.17	27.96	28.01
15	1	74		21.12	21.18	21.10	27.97	28.03	27.95
15	36	0		20.43	20.39	20.50	27.28	27.24	27.35
15	36	20		20.39	20.56	20.43	27.24	27.41	27.28
15	36	39		20.45	20.44	20.58	27.30	27.29	27.43
15	75	0		20.51	20.44	20.49	27.36	27.29	27.34
10	1	0	QPSK	22.19	22.31	22.21	29.04	29.16	29.06
10	1	25		22.17	22.29	22.25	29.02	29.14	29.10
10	1	49		22.18	22.31	22.41	29.03	29.16	29.26
10	25	0		21.39	21.40	21.42	28.24	28.25	28.27
10	25	12		21.48	21.50	21.35	28.33	28.35	28.20
10	25	25		21.47	21.45	21.49	28.32	28.30	28.34
10	50	0		21.35	21.43	21.44	28.20	28.28	28.29
10	1	0	16-QAM	21.31	21.36	21.37	28.16	28.21	28.22

10	1	25		21.27	21.36	21.25	28.12	28.21	28.10
10	1	49		21.26	21.34	21.34	28.11	28.19	28.19
10	25	0		20.53	20.47	20.56	27.38	27.32	27.41
10	25	12		20.61	20.56	20.42	27.46	27.41	27.27
10	25	25		20.51	20.57	20.51	27.36	27.42	27.36
10	50	0		20.48	20.45	20.42	27.33	27.30	27.27
5	1	0	QPSK	22.11	22.14	22.47	28.96	28.99	29.32
5	1	12		22.21	22.41	22.41	29.06	29.26	29.26
5	1	24		22.19	22.25	22.13	29.04	29.10	28.98
5	12	0		21.33	21.34	21.45	28.18	28.19	28.30
5	12	7		21.28	21.42	21.46	28.13	28.27	28.31
5	12	13		21.29	21.41	21.43	28.14	28.26	28.28
5	25	0	16-QAM	21.31	21.47	21.48	28.16	28.32	28.33
5	1	0		21.10	21.18	21.24	27.95	28.03	28.09
5	1	12		21.06	21.17	21.12	27.91	28.02	27.97
5	1	24		21.08	21.32	21.03	27.93	28.17	27.88
5	12	0		20.12	20.37	20.53	26.97	27.22	27.38
5	12	7		20.23	20.30	20.30	27.08	27.15	27.15
5	12	13	QPSK	20.43	20.36	20.34	27.28	27.21	27.19
5	25	0		20.35	20.53	20.51	27.20	27.38	27.36
3	1	0		22.57	22.50	22.67	29.42	29.35	29.52
3	1	8		22.46	22.29	22.51	29.31	29.14	29.36
3	1	14		22.36	22.65	22.53	29.21	29.50	29.38
3	8	0		21.71	21.63	21.78	28.56	28.48	28.63
3	8	4	16-QAM	21.65	21.70	21.77	28.50	28.55	28.62
3	8	7		21.60	21.64	21.59	28.45	28.49	28.44
3	15	0		21.60	21.58	21.65	28.45	28.43	28.50
3	1	0		21.48	21.46	21.35	28.33	28.31	28.20
3	1	8		21.27	21.48	21.20	28.12	28.33	28.05
3	1	14		21.59	21.40	21.38	28.44	28.25	28.23
3	8	0	QPSK	20.58	20.63	20.66	27.43	27.48	27.51
3	8	4		20.60	20.70	20.52	27.45	27.55	27.37
3	8	7		20.66	20.63	20.65	27.51	27.48	27.50
3	15	0		20.73	20.65	20.75	27.58	27.50	27.60
1.4	1	0		22.49	22.50	22.43	29.34	29.35	29.28
1.4	1	3		22.45	22.53	22.44	29.30	29.38	29.29
1.4	1	5	QPSK	22.48	22.37	22.30	29.33	29.22	29.15
1.4	3	0		22.67	22.67	22.49	29.52	29.52	29.34
1.4	3	1		22.67	22.66	22.61	29.52	29.51	29.46
1.4	3	3		22.49	22.65	22.52	29.34	29.50	29.37

1.4	6	0	16-QAM	21.47	21.72	21.64	28.32	28.57	28.49
1.4	1	0		21.30	21.53	21.56	28.15	28.38	28.41
1.4	1	3		21.47	21.63	21.57	28.32	28.48	28.42
1.4	1	5		21.27	21.44	21.44	28.12	28.29	28.29
1.4	3	0		21.79	21.67	21.96	28.64	28.52	28.81
1.4	3	1		21.53	21.69	21.95	28.38	28.54	28.80
1.4	3	3		21.79	21.57	21.80	28.64	28.42	28.65
1.4	6	0		20.35	20.71	20.64	27.20	27.56	27.49

LTE Band 4						
Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)
1.4	19957	1	#0	QPSK	21.91	28.76
1.4	19957	1	#Mid	QPSK	21.94	28.79
1.4	19957	1	#Max	QPSK	21.86	28.71
1.4	19957	3	#0	QPSK	22.00	28.85
1.4	19957	3	#Mid	QPSK	22.12	28.97
1.4	19957	3	#Max	QPSK	21.98	28.83
1.4	19957	6	#0	QPSK	20.96	27.81
1.4	19957	1	#0	16QAM	20.67	27.52
1.4	19957	1	#Mid	16QAM	20.79	27.64
1.4	19957	1	#Max	16QAM	20.70	27.55
1.4	19957	3	#0	16QAM	20.94	27.79
1.4	19957	3	#Mid	16QAM	20.95	27.80
1.4	19957	3	#Max	16QAM	20.74	27.59
1.4	19957	6	#0	16QAM	19.95	26.80
1.4	19957	1	#0	64QAM	20.44	27.29
1.4	19957	1	#Mid	64QAM	20.23	27.08
1.4	19957	1	#Max	64QAM	20.17	27.02
1.4	19957	3	#0	64QAM	20.41	27.26
1.4	19957	3	#Mid	64QAM	20.50	27.35
1.4	19957	3	#Max	64QAM	20.88	27.73
1.4	19957	6	#0	64QAM	19.94	26.79
1.4	20175	1	#0	QPSK	21.91	28.76
1.4	20175	1	#Mid	QPSK	22.09	28.94
1.4	20175	1	#Max	QPSK	21.95	28.80
1.4	20175	3	#0	QPSK	21.91	28.76
1.4	20175	3	#Mid	QPSK	21.96	28.81
1.4	20175	3	#Max	QPSK	21.91	28.76
1.4	20175	6	#0	QPSK	20.89	27.74
1.4	20175	1	#0	16QAM	21.13	27.98
1.4	20175	1	#Mid	16QAM	20.98	27.83
1.4	20175	1	#Max	16QAM	20.79	27.64

1.4	20175	3	#0	16QAM	20.76	27.61
1.4	20175	3	#Mid	16QAM	20.82	27.67
1.4	20175	3	#Max	16QAM	20.99	27.84
1.4	20175	6	#0	16QAM	20.02	26.87
1.4	20175	1	#0	64QAM	20.55	27.40
1.4	20175	1	#Mid	64QAM	20.70	27.55
1.4	20175	1	#Max	64QAM	20.54	27.39
1.4	20175	3	#0	64QAM	20.88	27.73
1.4	20175	3	#Mid	64QAM	20.92	27.77
1.4	20175	3	#Max	64QAM	20.97	27.82
1.4	20175	6	#0	64QAM	19.84	26.69
1.4	20393	1	#0	QPSK	22.00	28.85
1.4	20393	1	#Mid	QPSK	22.12	28.97
1.4	20393	1	#Max	QPSK	22.06	28.91
1.4	20393	3	#0	QPSK	22.00	28.85
1.4	20393	3	#Mid	QPSK	22.01	28.86
1.4	20393	3	#Max	QPSK	22.04	28.89
1.4	20393	6	#0	QPSK	21.09	27.94
1.4	20393	1	#0	16QAM	20.76	27.61
1.4	20393	1	#Mid	16QAM	20.93	27.78
1.4	20393	1	#Max	16QAM	20.87	27.72
1.4	20393	3	#0	16QAM	20.82	27.67
1.4	20393	3	#Mid	16QAM	20.81	27.66
1.4	20393	3	#Max	16QAM	21.20	28.05
1.4	20393	6	#0	16QAM	19.98	26.83
1.4	20393	1	#0	64QAM	20.74	27.59
1.4	20393	1	#Mid	64QAM	20.85	27.70
1.4	20393	1	#Max	64QAM	20.82	27.67
1.4	20393	3	#0	64QAM	20.91	27.76
1.4	20393	3	#Mid	64QAM	20.94	27.79
1.4	20393	3	#Max	64QAM	21.01	27.86
1.4	20393	6	#0	64QAM	20.05	26.90
3	19965	1	#0	QPSK	21.99	28.84
3	19965	1	#Mid	QPSK	21.95	28.80
3	19965	1	#Max	QPSK	21.85	28.70
3	19965	8	#0	QPSK	20.88	27.73
3	19965	8	#Mid	QPSK	21.02	27.87
3	19965	8	#Max	QPSK	20.98	27.83
3	19965	15	#0	QPSK	20.98	27.83
3	19965	1	#0	16QAM	20.71	27.56
3	19965	1	#Mid	16QAM	20.68	27.53
3	19965	1	#Max	16QAM	20.64	27.49
3	19965	8	#0	16QAM	19.95	26.80

3	19965	8	#Mid	16QAM	19.98	26.83
3	19965	8	#Max	16QAM	19.93	26.78
3	19965	15	#0	16QAM	19.92	26.77
3	19965	1	#0	64QAM	20.39	27.24
3	19965	1	#Mid	64QAM	20.52	27.37
3	19965	1	#Max	64QAM	20.50	27.35
3	19965	8	#0	64QAM	19.80	26.65
3	19965	8	#Mid	64QAM	19.98	26.83
3	19965	8	#Max	64QAM	19.91	26.76
3	19965	15	#0	64QAM	19.88	26.73
3	20175	1	#0	QPSK	21.99	28.84
3	20175	1	#Mid	QPSK	21.72	28.57
3	20175	1	#Max	QPSK	22.04	28.89
3	20175	8	#0	QPSK	21.02	27.87
3	20175	8	#Mid	QPSK	21.09	27.94
3	20175	8	#Max	QPSK	20.98	27.83
3	20175	15	#0	QPSK	20.96	27.81
3	20175	1	#0	16QAM	20.88	27.73
3	20175	1	#Mid	16QAM	20.76	27.61
3	20175	1	#Max	16QAM	20.81	27.66
3	20175	8	#0	16QAM	19.71	26.56
3	20175	8	#Mid	16QAM	19.78	26.63
3	20175	8	#Max	16QAM	19.77	26.62
3	20175	15	#0	16QAM	19.70	26.55
3	20175	1	#0	64QAM	20.61	27.46
3	20175	1	#Mid	64QAM	20.78	27.63
3	20175	1	#Max	64QAM	20.69	27.54
3	20175	8	#0	64QAM	19.87	26.72
3	20175	8	#Mid	64QAM	19.91	26.76
3	20175	8	#Max	64QAM	19.94	26.79
3	20175	15	#0	64QAM	19.96	26.81
3	20385	1	#0	QPSK	21.87	28.72
3	20385	1	#Mid	QPSK	21.95	28.80
3	20385	1	#Max	QPSK	21.97	28.82
3	20385	8	#0	QPSK	20.88	27.73
3	20385	8	#Mid	QPSK	21.01	27.86
3	20385	8	#Max	QPSK	20.97	27.82
3	20385	15	#0	QPSK	20.98	27.83
3	20385	1	#0	16QAM	20.89	27.74
3	20385	1	#Mid	16QAM	21.00	27.85
3	20385	1	#Max	16QAM	21.06	27.91
3	20385	8	#0	16QAM	19.60	26.45
3	20385	8	#Mid	16QAM	19.71	26.56

3	20385	8	#Max	16QAM	19.77	26.62
3	20385	15	#0	16QAM	19.82	26.67
3	20385	1	#0	64QAM	20.50	27.35
3	20385	1	#Mid	64QAM	20.59	27.44
3	20385	1	#Max	64QAM	20.64	27.49
3	20385	8	#0	64QAM	19.75	26.60
3	20385	8	#Mid	64QAM	19.96	26.81
3	20385	8	#Max	64QAM	19.91	26.76
3	20385	15	#0	64QAM	19.89	26.74
5	19975	1	#0	QPSK	21.86	28.71
5	19975	1	#Mid	QPSK	21.82	28.67
5	19975	1	#Max	QPSK	21.96	28.81
5	19975	12	#0	QPSK	20.72	27.57
5	19975	12	#Mid	QPSK	20.88	27.73
5	19975	12	#Max	QPSK	20.85	27.70
5	19975	25	#0	QPSK	20.84	27.69
5	19975	1	#0	16QAM	20.57	27.42
5	19975	1	#Mid	16QAM	20.61	27.46
5	19975	1	#Max	16QAM	20.67	27.52
5	19975	12	#0	16QAM	19.55	26.40
5	19975	12	#Mid	16QAM	19.73	26.58
5	19975	12	#Max	16QAM	19.66	26.51
5	19975	25	#0	16QAM	19.66	26.51
5	19975	1	#0	64QAM	20.26	27.11
5	19975	1	#Mid	64QAM	20.25	27.10
5	19975	1	#Max	64QAM	20.43	27.28
5	19975	12	#0	64QAM	19.53	26.38
5	19975	12	#Mid	64QAM	19.57	26.42
5	19975	12	#Max	64QAM	19.55	26.40
5	19975	25	#0	64QAM	19.75	26.60
5	20175	1	#0	QPSK	21.89	28.74
5	20175	1	#Mid	QPSK	21.69	28.54
5	20175	1	#Max	QPSK	21.82	28.67
5	20175	12	#0	QPSK	20.87	27.72
5	20175	12	#Mid	QPSK	20.87	27.72
5	20175	12	#Max	QPSK	20.84	27.69
5	20175	25	#0	QPSK	20.90	27.75
5	20175	1	#0	16QAM	20.72	27.57
5	20175	1	#Mid	16QAM	20.52	27.37
5	20175	1	#Max	16QAM	20.58	27.43
5	20175	12	#0	16QAM	19.82	26.67
5	20175	12	#Mid	16QAM	19.80	26.65
5	20175	12	#Max	16QAM	19.68	26.53

5	20175	25	#0	16QAM	19.64	26.49
5	20175	1	#0	64QAM	20.37	27.22
5	20175	1	#Mid	64QAM	20.48	27.33
5	20175	1	#Max	64QAM	20.55	27.40
5	20175	12	#0	64QAM	19.59	26.44
5	20175	12	#Mid	64QAM	19.69	26.54
5	20175	12	#Max	64QAM	19.68	26.53
5	20175	25	#0	64QAM	19.84	26.69
5	20375	1	#0	QPSK	21.76	28.61
5	20375	1	#Mid	QPSK	21.88	28.73
5	20375	1	#Max	QPSK	22.06	28.91
5	20375	12	#0	QPSK	20.86	27.71
5	20375	12	#Mid	QPSK	21.00	27.85
5	20375	12	#Max	QPSK	21.13	27.98
5	20375	25	#0	QPSK	21.06	27.91
5	20375	1	#0	16QAM	20.56	27.41
5	20375	1	#Mid	16QAM	20.75	27.60
5	20375	1	#Max	16QAM	20.77	27.62
5	20375	12	#0	16QAM	19.78	26.63
5	20375	12	#Mid	16QAM	19.73	26.58
5	20375	12	#Max	16QAM	19.87	26.72
5	20375	25	#0	16QAM	19.88	26.73
5	20375	1	#0	64QAM	20.30	27.15
5	20375	1	#Mid	64QAM	20.48	27.33
5	20375	1	#Max	64QAM	20.71	27.56
5	20375	12	#0	64QAM	19.76	26.61
5	20375	12	#Mid	64QAM	19.82	26.67
5	20375	12	#Max	64QAM	19.95	26.80
5	20375	25	#0	64QAM	19.98	26.83
10	20000	1	#0	QPSK	21.92	28.77
10	20000	1	#Mid	QPSK	22.06	28.91
10	20000	1	#Max	QPSK	22.03	28.88
10	20000	25	#0	QPSK	20.82	27.67
10	20000	25	#Mid	QPSK	20.99	27.84
10	20000	25	#Max	QPSK	20.93	27.78
10	20000	50	#0	QPSK	20.93	27.78
10	20000	1	#0	16QAM	20.67	27.52
10	20000	1	#Mid	16QAM	20.85	27.70
10	20000	1	#Max	16QAM	20.70	27.55
10	20000	25	#0	16QAM	19.84	26.69
10	20000	25	#Mid	16QAM	20.10	26.95
10	20000	25	#Max	16QAM	19.95	26.80
10	20000	50	#0	16QAM	19.96	26.81

10	20000	1	#0	64QAM	20.44	27.29
10	20000	1	#Mid	64QAM	20.60	27.45
10	20000	1	#Max	64QAM	20.39	27.24
10	20000	25	#0	64QAM	19.84	26.69
10	20000	25	#Mid	64QAM	20.00	26.85
10	20000	25	#Max	64QAM	20.05	26.90
10	20000	50	#0	64QAM	19.94	26.79
10	20175	1	#0	QPSK	21.80	28.65
10	20175	1	#Mid	QPSK	22.03	28.88
10	20175	1	#Max	QPSK	21.81	28.66
10	20175	25	#0	QPSK	20.95	27.80
10	20175	25	#Mid	QPSK	20.94	27.79
10	20175	25	#Max	QPSK	20.80	27.65
10	20175	50	#0	QPSK	20.89	27.74
10	20175	1	#0	16QAM	21.06	27.91
10	20175	1	#Mid	16QAM	20.63	27.48
10	20175	1	#Max	16QAM	20.50	27.35
10	20175	25	#0	16QAM	19.77	26.62
10	20175	25	#Mid	16QAM	19.77	26.62
10	20175	25	#Max	16QAM	19.73	26.58
10	20175	50	#0	16QAM	19.80	26.65
10	20175	1	#0	64QAM	20.52	27.37
10	20175	1	#Mid	64QAM	20.58	27.43
10	20175	1	#Max	64QAM	20.25	27.10
10	20175	25	#0	64QAM	19.77	26.62
10	20175	25	#Mid	64QAM	19.88	26.73
10	20175	25	#Max	64QAM	19.84	26.69
10	20175	50	#0	64QAM	19.89	26.74
10	20350	1	#0	QPSK	21.87	28.72
10	20350	1	#Mid	QPSK	22.22	29.07
10	20350	1	#Max	QPSK	22.13	28.98
10	20350	25	#0	QPSK	20.87	27.72
10	20350	25	#Mid	QPSK	20.91	27.76
10	20350	25	#Max	QPSK	20.95	27.80
10	20350	50	#0	QPSK	20.78	27.63
10	20350	1	#0	16QAM	20.75	27.60
10	20350	1	#Mid	16QAM	20.83	27.68
10	20350	1	#Max	16QAM	20.89	27.74
10	20350	25	#0	16QAM	19.82	26.67
10	20350	25	#Mid	16QAM	19.95	26.80
10	20350	25	#Max	16QAM	19.98	26.83
10	20350	50	#0	16QAM	19.82	26.67
10	20350	1	#0	64QAM	20.62	27.47

10	20350	1	#Mid	64QAM	20.53	27.38
10	20350	1	#Max	64QAM	20.53	27.38
10	20350	25	#0	64QAM	19.89	26.74
10	20350	25	#Mid	64QAM	19.94	26.79
10	20350	25	#Max	64QAM	19.98	26.83
10	20350	50	#0	64QAM	19.88	26.73
15	20025	1	#0	QPSK	21.90	28.75
15	20025	1	#Mid	QPSK	22.02	28.87
15	20025	1	#Max	QPSK	22.11	28.96
15	20025	36	#0	QPSK	20.75	27.60
15	20025	36	#Mid	QPSK	20.98	27.83
15	20025	36	#Max	QPSK	21.01	27.86
15	20025	75	#0	QPSK	20.90	27.75
15	20025	1	#0	16QAM	20.79	27.64
15	20025	1	#Mid	16QAM	20.61	27.46
15	20025	1	#Max	16QAM	20.78	27.63
15	20025	36	#0	16QAM	19.77	26.62
15	20025	36	#Mid	16QAM	19.89	26.74
15	20025	36	#Max	16QAM	20.03	26.88
15	20025	75	#0	16QAM	19.80	26.65
15	20025	1	#0	64QAM	20.03	26.88
15	20025	1	#Mid	64QAM	20.44	27.29
15	20025	1	#Max	64QAM	20.42	27.27
15	20025	36	#0	64QAM	19.75	26.60
15	20025	36	#Mid	64QAM	19.98	26.83
15	20025	36	#Max	64QAM	20.12	26.97
15	20025	75	#0	64QAM	19.91	26.76
15	20175	1	#0	QPSK	21.93	28.78
15	20175	1	#Mid	QPSK	21.95	28.80
15	20175	1	#Max	QPSK	21.93	28.78
15	20175	36	#0	QPSK	20.95	27.80
15	20175	36	#Mid	QPSK	20.92	27.77
15	20175	36	#Max	QPSK	20.85	27.70
15	20175	75	#0	QPSK	20.92	27.77
15	20175	1	#0	16QAM	20.86	27.71
15	20175	1	#Mid	16QAM	20.66	27.51
15	20175	1	#Max	16QAM	20.58	27.43
15	20175	36	#0	16QAM	19.85	26.70
15	20175	36	#Mid	16QAM	19.84	26.69
15	20175	36	#Max	16QAM	19.77	26.62
15	20175	75	#0	16QAM	19.84	26.69
15	20175	1	#0	64QAM	20.56	27.41
15	20175	1	#Mid	64QAM	20.44	27.29

15	20175	1	#Max	64QAM	20.14	26.99
15	20175	36	#0	64QAM	19.76	26.61
15	20175	36	#Mid	64QAM	19.95	26.80
15	20175	36	#Max	64QAM	19.86	26.71
15	20175	75	#0	64QAM	19.94	26.79
15	20325	1	#0	QPSK	21.97	28.82
15	20325	1	#Mid	QPSK	21.87	28.72
15	20325	1	#Max	QPSK	22.06	28.91
15	20325	36	#0	QPSK	20.93	27.78
15	20325	36	#Mid	QPSK	20.91	27.76
15	20325	36	#Max	QPSK	20.90	27.75
15	20325	75	#0	QPSK	20.92	27.77
15	20325	1	#0	16QAM	20.78	27.63
15	20325	1	#Mid	16QAM	20.63	27.48
15	20325	1	#Max	16QAM	20.92	27.77
15	20325	36	#0	16QAM	19.85	26.70
15	20325	36	#Mid	16QAM	19.94	26.79
15	20325	36	#Max	16QAM	19.92	26.77
15	20325	75	#0	16QAM	19.84	26.69
15	20325	1	#0	64QAM	20.86	27.71
15	20325	1	#Mid	64QAM	20.44	27.29
15	20325	1	#Max	64QAM	20.51	27.36
15	20325	36	#0	64QAM	19.82	26.67
15	20325	36	#Mid	64QAM	20.05	26.90
15	20325	36	#Max	64QAM	20.01	26.86
15	20325	75	#0	64QAM	20.05	26.90
20	20050	1	#0	QPSK	21.75	28.60
20	20050	1	#Mid	QPSK	22.21	29.06
20	20050	1	#Max	QPSK	22.01	28.86
20	20050	50	#0	QPSK	20.89	27.74
20	20050	50	#Mid	QPSK	21.03	27.88
20	20050	50	#Max	QPSK	21.00	27.85
20	20050	100	#0	QPSK	20.85	27.70
20	20050	1	#0	16QAM	20.67	27.52
20	20050	1	#Mid	16QAM	20.91	27.76
20	20050	1	#Max	16QAM	20.75	27.60
20	20050	50	#0	16QAM	19.80	26.65
20	20050	50	#Mid	16QAM	20.05	26.90
20	20050	50	#Max	16QAM	20.02	26.87
20	20050	100	#0	16QAM	19.75	26.60
20	20050	1	#0	64QAM	20.19	27.04
20	20050	1	#Mid	64QAM	20.50	27.35
20	20050	1	#Max	64QAM	20.35	27.20

20	20050	50	#0	64QAM	19.89	26.74
20	20050	50	#Mid	64QAM	20.14	26.99
20	20050	50	#Max	64QAM	20.23	27.08
20	20050	100	#0	64QAM	19.87	26.72
20	20175	1	#0	QPSK	21.92	28.77
20	20175	1	#Mid	QPSK	22.24	29.09
20	20175	1	#Max	QPSK	21.77	28.62
20	20175	50	#0	QPSK	20.96	27.81
20	20175	50	#Mid	QPSK	20.95	27.80
20	20175	50	#Max	QPSK	20.86	27.71
20	20175	100	#0	QPSK	20.91	27.76
20	20175	1	#0	16QAM	20.65	27.50
20	20175	1	#Mid	16QAM	20.87	27.72
20	20175	1	#Max	16QAM	20.50	27.35
20	20175	50	#0	16QAM	19.98	26.83
20	20175	50	#Mid	16QAM	19.87	26.72
20	20175	50	#Max	16QAM	19.70	26.55
20	20175	100	#0	16QAM	19.82	26.67
20	20175	1	#0	64QAM	20.60	27.45
20	20175	1	#Mid	64QAM	20.60	27.45
20	20175	1	#Max	64QAM	20.16	27.01
20	20175	50	#0	64QAM	19.97	26.82
20	20175	50	#Mid	64QAM	19.96	26.81
20	20175	50	#Max	64QAM	19.78	26.63
20	20175	100	#0	64QAM	19.94	26.79
20	20300	1	#0	QPSK	22.13	28.98
20	20300	1	#Mid	QPSK	21.95	28.80
20	20300	1	#Max	QPSK	22.12	28.97
20	20300	50	#0	QPSK	21.15	28.00
20	20300	50	#Mid	QPSK	20.96	27.81
20	20300	50	#Max	QPSK	20.84	27.69
20	20300	100	#0	QPSK	21.00	27.85
20	20300	1	#0	16QAM	21.02	27.87
20	20300	1	#Mid	16QAM	20.97	27.82
20	20300	1	#Max	16QAM	20.87	27.72
20	20300	50	#0	16QAM	19.98	26.83
20	20300	50	#Mid	16QAM	19.89	26.74
20	20300	50	#Max	16QAM	19.77	26.62
20	20300	100	#0	16QAM	20.03	26.88
20	20300	1	#0	64QAM	20.81	27.66
20	20300	1	#Mid	64QAM	20.73	27.58
20	20300	1	#Max	64QAM	20.58	27.43
20	20300	50	#0	64QAM	20.07	26.92

20	20300	50	#Mid	64QAM	19.98	26.83
20	20300	50	#Max	64QAM	19.85	26.70
20	20300	100	#0	64QAM	19.92	26.77

LTE Band 5									
BW[MHz]	RB Size	RB Offset	Mod	Maximum Output Power (dBm)			ERP (dBm)		
				Lowest	Middle	Highest	Lowest	Middle	Highest
10	1	0	QPSK	22.97	22.76	23.01	27.67	27.46	27.71
10	1	25		23.06	22.95	22.99	27.76	27.65	27.69
10	1	49		22.78	22.72	22.72	27.48	27.42	27.42
10	25	0		22.01	22.01	22.10	26.71	26.71	26.80
10	25	12		22.07	21.96	21.93	26.77	26.66	26.63
10	25	25		22.04	21.96	22.01	26.74	26.66	26.71
10	50	0		22.00	22.01	21.98	26.70	26.71	26.68
10	1	0	16-QAM	21.73	21.65	21.76	26.43	26.35	26.46
10	1	25		21.75	21.72	21.82	26.45	26.42	26.52
10	1	49		21.87	21.78	21.74	26.57	26.48	26.44
10	25	0		21.01	20.94	20.90	25.71	25.64	25.60
10	25	12		20.99	20.88	20.90	25.69	25.58	25.60
10	25	25		21.04	20.88	21.02	25.74	25.58	25.72
10	50	0		20.92	20.93	20.98	25.62	25.63	25.68
5	1	0	QPSK	22.89	22.86	22.77	27.59	27.56	27.47
5	1	12		22.92	22.91	22.93	27.62	27.61	27.63
5	1	24		22.62	22.74	22.72	27.32	27.44	27.42
5	12	0		21.94	21.84	21.87	26.64	26.54	26.57
5	12	7		21.93	21.81	22.01	26.63	26.51	26.71
5	12	13		21.93	21.83	21.87	26.63	26.53	26.57
5	25	0		21.89	21.84	21.85	26.59	26.54	26.55
5	1	0	16-QAM	21.66	21.75	21.65	26.36	26.45	26.35
5	1	12		21.69	21.66	21.52	26.39	26.36	26.22
5	1	24		21.68	21.72	21.58	26.38	26.42	26.28
5	12	0		21.01	20.68	20.78	25.71	25.38	25.48
5	12	7		21.02	20.90	20.93	25.72	25.60	25.63
5	12	13		21.01	20.63	20.72	25.71	25.33	25.42
5	25	0		20.96	20.72	20.75	25.66	25.42	25.45
3	1	0	QPSK	22.93	22.64	22.70	27.63	27.34	27.40
3	1	8		22.80	22.70	22.90	27.50	27.40	27.60
3	1	14		22.62	22.82	22.87	27.32	27.52	27.57
3	8	0		21.85	21.87	21.97	26.55	26.57	26.67
3	8	4		21.93	21.84	21.97	26.63	26.54	26.67

3	8	7		21.91	21.78	21.93	26.61	26.48	26.63
3	15	0		21.88	21.97	21.95	26.58	26.67	26.65
3	1	0		21.74	21.70	21.71	26.44	26.40	26.41
3	1	8	16-QAM	21.74	21.65	21.69	26.44	26.35	26.39
3	1	14		21.67	21.94	21.60	26.37	26.64	26.30
3	8	0		20.95	20.92	21.04	25.65	25.62	25.74
3	8	4		20.96	20.89	21.12	25.66	25.59	25.82
3	8	7		20.93	20.78	20.99	25.63	25.48	25.69
3	15	0		20.69	20.81	20.90	25.39	25.51	25.60
1.4	1	0		22.77	22.76	22.77	27.47	27.46	27.47
1.4	1	3	QPSK	22.95	22.88	22.88	27.65	27.58	27.58
1.4	1	5		22.83	22.73	22.78	27.53	27.43	27.48
1.4	3	0		22.98	22.95	22.97	27.68	27.65	27.67
1.4	3	1		23.00	22.99	22.98	27.70	27.69	27.68
1.4	3	3		22.91	22.85	22.89	27.61	27.55	27.59
1.4	6	0		21.84	21.81	21.88	26.54	26.51	26.58
1.4	1	0	16-QAM	21.72	21.63	21.75	26.42	26.33	26.45
1.4	1	3		22.01	21.83	21.90	26.71	26.53	26.60
1.4	1	5		22.03	21.65	21.72	26.73	26.35	26.42
1.4	3	0		21.86	21.86	21.87	26.56	26.56	26.57
1.4	3	1		21.92	21.76	21.50	26.62	26.46	26.20
1.4	3	3		21.81	21.74	21.84	26.51	26.44	26.54
1.4	6	0		20.69	20.41	20.70	25.39	25.11	25.40

LTE Band 7									
BW[MHz]	RB Size	RB Offset	Mod	Maximum Output Power (dBm)			EIRP (dBm)		
				Lowest	Middle	Highest	Lowest	Middle	Highest
20	1	0	QPSK	22.06	22.46	22.23	28.91	29.31	29.08
20	1	49		22.19	22.37	22.50	29.04	29.22	29.35
20	1	99		22.20	22.23	22.30	29.05	29.08	29.15
20	50	0		21.39	21.54	21.54	28.24	28.39	28.39
20	50	24		21.47	21.56	21.60	28.32	28.41	28.45
20	50	50		21.49	21.53	21.74	28.34	28.38	28.59
20	100	0		21.31	21.56	21.65	28.16	28.41	28.50
20	1	0	16-QAM	21.15	21.45	21.20	28.00	28.30	28.05
20	1	49		21.27	21.35	21.45	28.12	28.20	28.30
20	1	99		21.22	21.30	21.38	28.07	28.15	28.23
20	50	0		20.40	20.53	20.56	27.25	27.38	27.41
20	50	24		20.38	20.53	20.62	27.23	27.38	27.47
20	50	50		20.58	20.46	20.84	27.43	27.31	27.69

20	100	0	QPSK	20.27	20.56	20.73	27.12	27.41	27.58
15	1	0		22.18	22.43	22.45	29.03	29.28	29.30
15	1	37		22.22	22.40	22.47	29.07	29.25	29.32
15	1	74		22.25	22.27	22.30	29.10	29.12	29.15
15	36	0		21.41	21.58	21.53	28.26	28.43	28.38
15	36	20		21.40	21.51	21.63	28.25	28.36	28.48
15	36	39		21.46	21.62	21.73	28.31	28.47	28.58
15	75	0		21.41	21.54	21.56	28.26	28.39	28.41
15	1	0	16-QAM	21.22	21.50	21.43	28.07	28.35	28.28
15	1	37		21.18	21.38	21.52	28.03	28.23	28.37
15	1	74		21.30	21.23	21.29	28.15	28.08	28.14
15	36	0		20.39	20.57	20.52	27.24	27.42	27.37
15	36	20		20.45	20.51	20.63	27.30	27.36	27.48
15	36	39		20.54	20.45	20.64	27.39	27.30	27.49
15	75	0		20.59	20.52	20.65	27.44	27.37	27.50
10	1	0	QPSK	22.17	22.35	22.48	29.02	29.20	29.33
10	1	25		22.18	22.37	22.45	29.03	29.22	29.30
10	1	49		22.12	22.33	22.32	28.97	29.18	29.17
10	25	0		21.40	21.61	21.70	28.25	28.46	28.55
10	25	12		21.42	21.62	21.80	28.27	28.47	28.65
10	25	25		21.50	21.59	21.75	28.35	28.44	28.60
10	50	0		21.40	21.52	21.73	28.25	28.37	28.58
10	1	0	16-QAM	21.19	21.46	21.58	28.04	28.31	28.43
10	1	25		21.21	21.43	21.67	28.06	28.28	28.52
10	1	49		21.25	21.40	21.59	28.10	28.25	28.44
10	25	0		20.49	20.60	20.79	27.34	27.45	27.64
10	25	12		20.61	20.71	20.80	27.46	27.56	27.65
10	25	25		20.58	20.67	20.66	27.43	27.52	27.51
10	50	0		20.40	20.61	20.77	27.25	27.46	27.62
5	1	0	QPSK	22.28	22.39	22.32	29.13	29.24	29.17
5	1	12		22.43	22.32	22.40	29.28	29.17	29.25
5	1	24		22.19	22.24	22.37	29.04	29.09	29.22
5	12	0		21.47	21.61	21.56	28.32	28.46	28.41
5	12	7		21.38	21.58	21.56	28.23	28.43	28.41
5	12	13		21.45	21.59	21.71	28.30	28.44	28.56
5	25	0		21.46	21.64	21.67	28.31	28.49	28.52
5	1	0	16-QAM	21.28	21.46	21.54	28.13	28.31	28.39
5	1	12		21.11	21.47	21.44	27.96	28.32	28.29
5	1	24		21.21	21.43	21.55	28.06	28.28	28.40
5	12	0		20.30	20.70	20.58	27.15	27.55	27.43

5	12	7		20.27	20.60	20.66	27.12	27.45	27.51
5	12	13		20.43	20.51	20.59	27.28	27.36	27.44
5	25	0		20.55	20.57	20.50	27.40	27.42	27.35

LTE Band 12									
BW[MHz]	RB Size	RB Offset	Mod	Maximum Output Power (dBm)			ERP (dBm)		
				Lowest	Middle	Highest	Lowest	Middle	Highest
10	1	0	QPSK	22.55	22.79	22.76	27.25	27.49	27.46
10	1	25		22.67	22.76	23.03	27.37	27.46	27.73
10	1	49		22.75	22.92	22.86	27.45	27.62	27.56
10	25	0		21.92	21.76	21.94	26.62	26.46	26.64
10	25	12		21.83	21.79	21.94	26.53	26.49	26.64
10	25	25		21.84	21.97	22.08	26.54	26.67	26.78
10	50	0		21.80	21.77	21.99	26.50	26.47	26.69
10	1	0	16-QAM	21.71	21.51	21.53	26.41	26.21	26.23
10	1	25		21.63	21.56	21.65	26.33	26.26	26.35
10	1	49		21.48	21.66	21.75	26.18	26.36	26.45
10	25	0		20.66	20.81	20.81	25.36	25.51	25.51
10	25	12		20.78	20.74	20.81	25.48	25.44	25.51
10	25	25		20.81	20.93	20.94	25.51	25.63	25.64
10	50	0		20.85	20.65	20.93	25.55	25.35	25.63
5	1	0	QPSK	22.79	22.55	22.92	27.49	27.25	27.62
5	1	12		22.84	23.01	22.88	27.54	27.71	27.58
5	1	24		22.76	22.89	22.68	27.46	27.59	27.38
5	12	0		21.85	21.81	21.89	26.55	26.51	26.59
5	12	7		21.95	21.94	21.90	26.65	26.64	26.60
5	12	13		21.96	21.85	21.88	26.66	26.55	26.58
5	25	0		21.88	21.79	21.93	26.58	26.49	26.63
5	1	0	16-QAM	21.60	21.58	22.02	26.30	26.28	26.72
5	1	12		21.77	21.61	21.57	26.47	26.31	26.27
5	1	24		21.52	21.62	21.77	26.22	26.32	26.47
5	12	0		20.80	20.58	20.86	25.50	25.28	25.56
5	12	7		20.68	20.64	20.70	25.38	25.34	25.40
5	12	13		20.71	20.62	20.76	25.41	25.32	25.46
5	25	0		20.71	20.74	20.71	25.41	25.44	25.41
3	1	0	QPSK	22.90	22.79	22.97	27.60	27.49	27.67
3	1	8		22.73	22.80	22.83	27.43	27.50	27.53
3	1	14		22.91	22.75	23.01	27.61	27.45	27.71
3	8	0		21.89	21.85	21.93	26.59	26.55	26.63
3	8	4		22.01	21.97	22.03	26.71	26.67	26.73

3	8	7		21.94	21.99	21.97	26.64	26.69	26.67
3	15	0		21.94	21.91	22.00	26.64	26.61	26.70
3	1	0	169AM	21.75	21.74	21.92	26.45	26.44	26.62
3	1	8		21.66	21.65	21.60	26.36	26.35	26.30
3	1	14		21.79	21.71	21.84	26.49	26.41	26.54
3	8	0		20.89	20.85	20.67	25.59	25.55	25.37
3	8	4		20.73	21.08	21.04	25.43	25.78	25.74
3	8	7		21.05	20.91	20.97	25.75	25.61	25.67
3	15	0		20.64	20.79	21.07	25.34	25.49	25.77
1.4	1	0	QPSK	22.88	22.85	22.89	27.58	27.55	27.59
1.4	1	3		23.00	22.99	22.95	27.70	27.69	27.65
1.4	1	5		22.89	22.92	22.79	27.59	27.62	27.49
1.4	3	0		22.97	22.99	22.92	27.67	27.69	27.62
1.4	3	1		22.98	22.91	22.93	27.68	27.61	27.63
1.4	3	3		23.00	22.99	23.01	27.70	27.69	27.71
1.4	6	0		21.90	21.97	21.96	26.60	26.67	26.66
1.4	1	0	16OAM	21.78	21.61	21.76	26.48	26.31	26.46
1.4	1	3		22.03	21.97	22.03	26.73	26.67	26.73
1.4	1	5		21.79	22.07	22.02	26.49	26.77	26.72
1.4	3	0		21.90	22.06	22.09	26.60	26.76	26.79
1.4	3	1		21.88	22.10	22.12	26.58	26.80	26.82
1.4	3	3		21.83	21.94	21.95	26.53	26.64	26.65
1.4	6	0		20.69	20.83	20.79	25.39	25.53	25.49

LTE Band 13									
BW[MHz]	RB Size	RB Offset	Mod	Maximum Output Power (dBm)			ERP (dBm)		
				Lowest	Middle	Highest	Lowest	Middle	Highest
10	1	0	QPSK	\	22.60	\	\	27.30	\
10	1	25		\	22.79	\	\	27.49	\
10	1	49		\	22.75	\	\	27.45	\
10	25	0		\	21.82	\	\	26.52	\
10	25	12		\	21.88	\	\	26.58	\
10	25	25		\	21.78	\	\	26.48	\
10	50	0		\	21.81	\	\	26.51	\
10	1	0	16-QAM	\	21.81	\	\	26.51	\
10	1	25		\	21.68	\	\	26.38	\
10	1	49		\	21.65	\	\	26.35	\
10	25	0		\	20.84	\	\	25.54	\
10	25	12		\	20.79	\	\	25.49	\
10	25	25		\	20.70	\	\	25.40	\

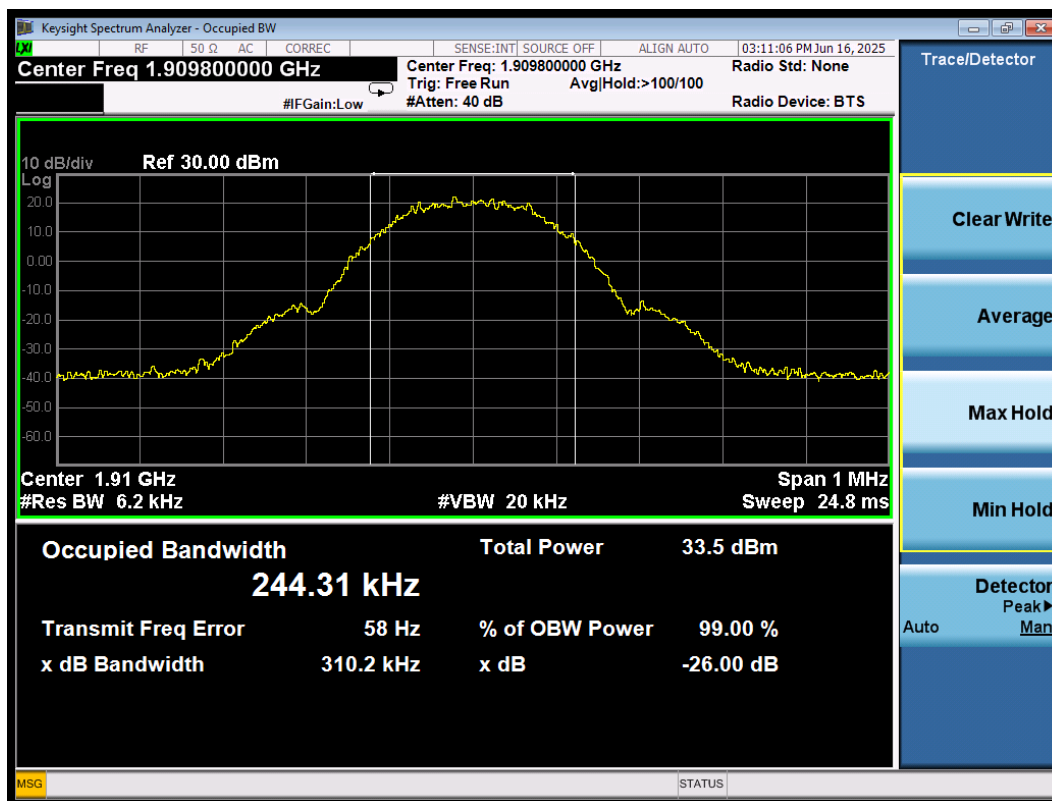
10	50	0		\	20.83	\	\	25.53	\
5	1	0	QPSK	22.57	22.52	22.65	27.27	27.22	27.35
5	1	12		22.54	22.66	22.75	27.24	27.36	27.45
5	1	24		22.72	22.70	22.59	27.42	27.40	27.29
5	12	0		21.78	21.95	21.78	26.48	26.65	26.48
5	12	7		21.81	21.83	21.73	26.51	26.53	26.43
5	12	13		21.95	21.78	21.75	26.65	26.48	26.45
5	25	0		21.88	21.86	21.77	26.58	26.56	26.47
5	1	0	16-QAM	21.40	21.38	21.66	26.10	26.08	26.36
5	1	12		21.45	21.56	21.34	26.15	26.26	26.04
5	1	24		21.60	21.38	21.65	26.30	26.08	26.35
5	12	0		20.61	20.66	21.00	25.31	25.36	25.70
5	12	7		20.82	20.75	20.87	25.52	25.45	25.57
5	12	13		20.91	20.59	20.87	25.61	25.29	25.57
5	25	0		20.90	20.80	20.74	25.60	25.50	25.44

6.2 Occupied Bandwidth

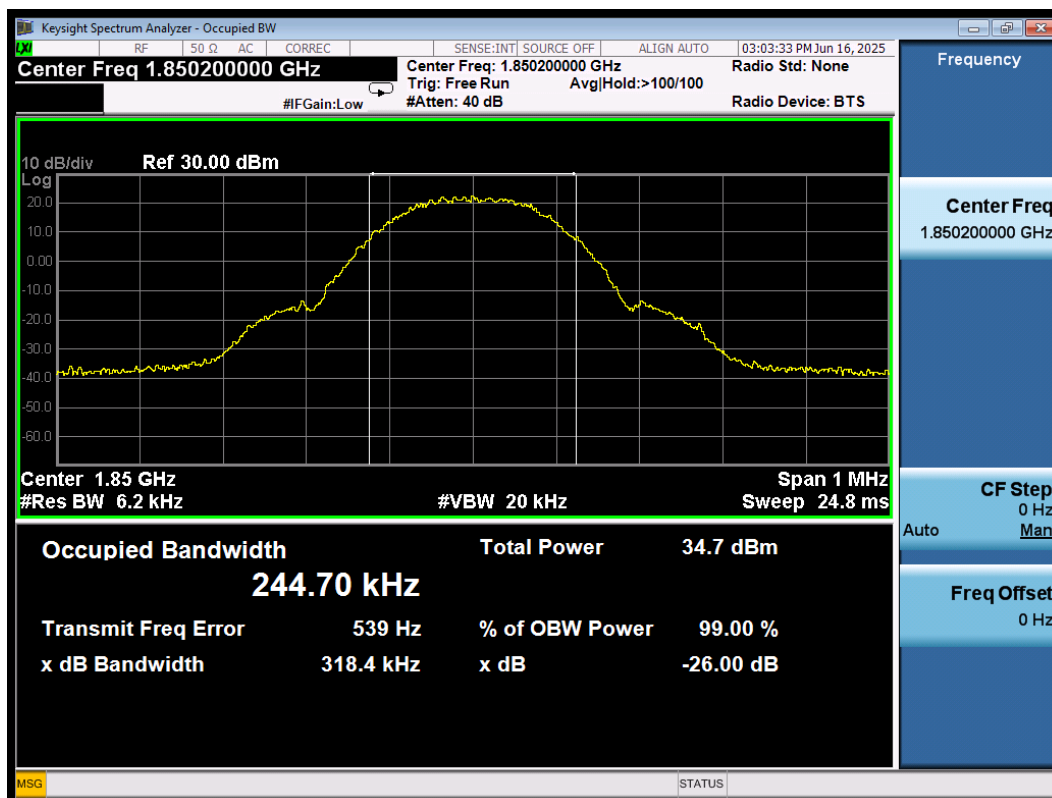
Mode	Channel	Frequency (MHz)	99% Power Bandwidth (MHz)	-26dBc Bandwidth (MHz)
GPRS 1900 (GMSK)	512	1850.2	0.2447	0.3184
	661	1880	0.24581	0.3189
	810	1909.8	0.24431	0.3102
EGPRS 1900 (8-PSK)	512	1850.2	0.24408	0.3136
	661	1880	0.24795	0.3116
	810	1909.8	0.24721	0.3103

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)
Band4	1.4	19957	6	#0	QPSK	1.094	1.282
Band4	1.4	19957	6	#0	16QAM	1.092	1.287
Band4	1.4	19957	6	#0	64QAM	1.093	1.300
Band4	1.4	20175	6	#0	QPSK	1.094	1.256
Band4	1.4	20175	6	#0	16QAM	1.098	1.285
Band4	1.4	20175	6	#0	64QAM	1.097	1.286
Band4	1.4	20393	6	#0	QPSK	1.093	1.264
Band4	1.4	20393	6	#0	16QAM	1.101	1.284
Band4	1.4	20393	6	#0	64QAM	1.095	1.302
Band4	3	19965	15	#0	QPSK	2.703	3.005
Band4	3	19965	15	#0	16QAM	2.698	2.963
Band4	3	19965	15	#0	64QAM	2.708	2.972
Band4	3	20175	15	#0	QPSK	2.704	2.995
Band4	3	20175	15	#0	16QAM	2.705	2.974
Band4	3	20175	15	#0	64QAM	2.710	2.977
Band4	3	20385	15	#0	QPSK	2.709	2.974
Band4	3	20385	15	#0	16QAM	2.696	2.951
Band4	3	20385	15	#0	64QAM	2.710	2.940
Band4	5	19975	25	#0	QPSK	4.498	5.008
Band4	5	19975	25	#0	16QAM	4.519	4.922
Band4	5	19975	25	#0	64QAM	4.516	4.971
Band4	5	20175	25	#0	QPSK	4.490	4.954
Band4	5	20175	25	#0	16QAM	4.489	4.901
Band4	5	20175	25	#0	64QAM	4.485	4.881
Band4	5	20375	25	#0	QPSK	4.485	4.871
Band4	5	20375	25	#0	16QAM	4.487	4.943
Band4	5	20375	25	#0	64QAM	4.512	4.941
Band4	10	20000	50	#0	QPSK	8.958	9.727
Band4	10	20000	50	#0	16QAM	8.968	9.627

Band4	10	20000	50	#0	64QAM	8.945	9.715
Band4	10	20175	50	#0	QPSK	8.996	9.703
Band4	10	20175	50	#0	16QAM	8.962	9.653
Band4	10	20175	50	#0	64QAM	8.980	9.792
Band4	10	20350	50	#0	QPSK	8.981	9.770
Band4	10	20350	50	#0	16QAM	8.940	9.734
Band4	10	20350	50	#0	64QAM	8.958	9.914
Band4	15	20025	75	#0	QPSK	13.447	14.480
Band4	15	20025	75	#0	16QAM	13.395	14.461
Band4	15	20025	75	#0	64QAM	13.406	14.567
Band4	15	20175	75	#0	QPSK	13.395	14.551
Band4	15	20175	75	#0	16QAM	13.440	14.443
Band4	15	20175	75	#0	64QAM	13.433	14.431
Band4	15	20325	75	#0	QPSK	13.406	14.297
Band4	15	20325	75	#0	16QAM	13.438	14.583
Band4	15	20325	75	#0	64QAM	13.427	14.510
Band4	20	20050	100	#0	QPSK	17.922	19.270
Band4	20	20050	100	#0	16QAM	17.917	19.223
Band4	20	20050	100	#0	64QAM	17.887	19.273
Band4	20	20175	100	#0	QPSK	17.903	19.069
Band4	20	20175	100	#0	16QAM	17.889	19.148
Band4	20	20175	100	#0	64QAM	17.874	19.201
Band4	20	20300	100	#0	QPSK	17.917	19.282
Band4	20	20300	100	#0	16QAM	17.846	19.068
Band4	20	20300	100	#0	64QAM	17.899	19.310



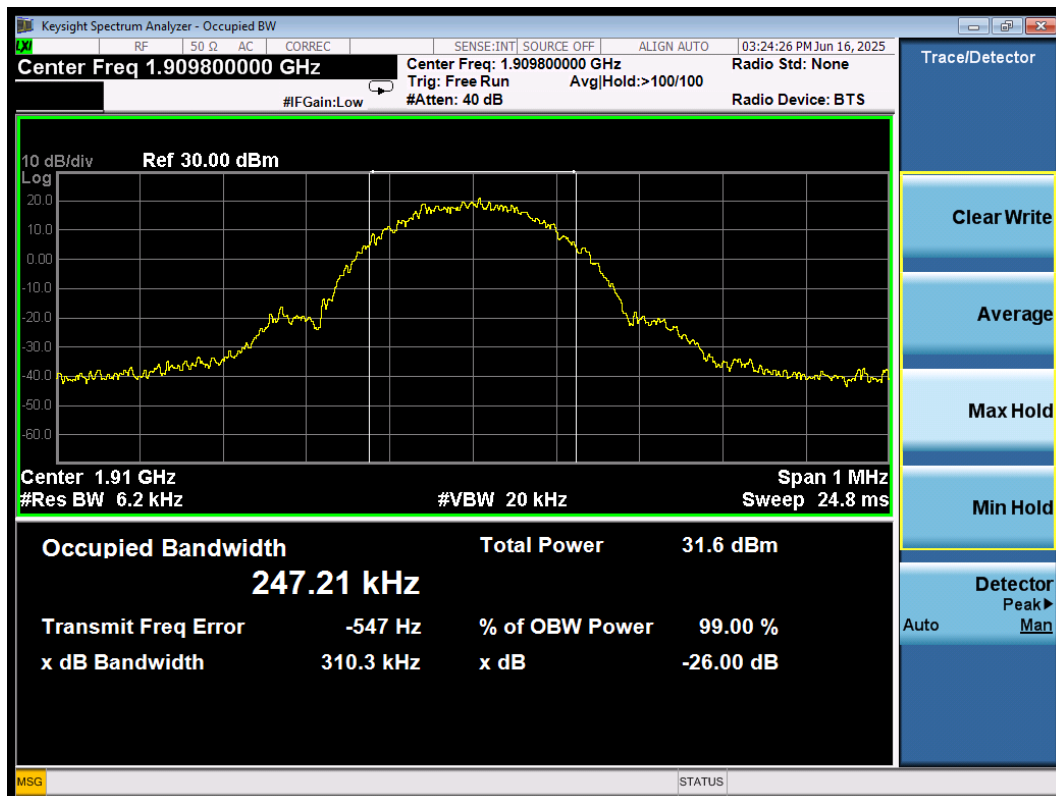
GSM 1900 OCB\GSM1900\GPRS\H



GSM 1900 OCB\GSM1900\GPRS\L



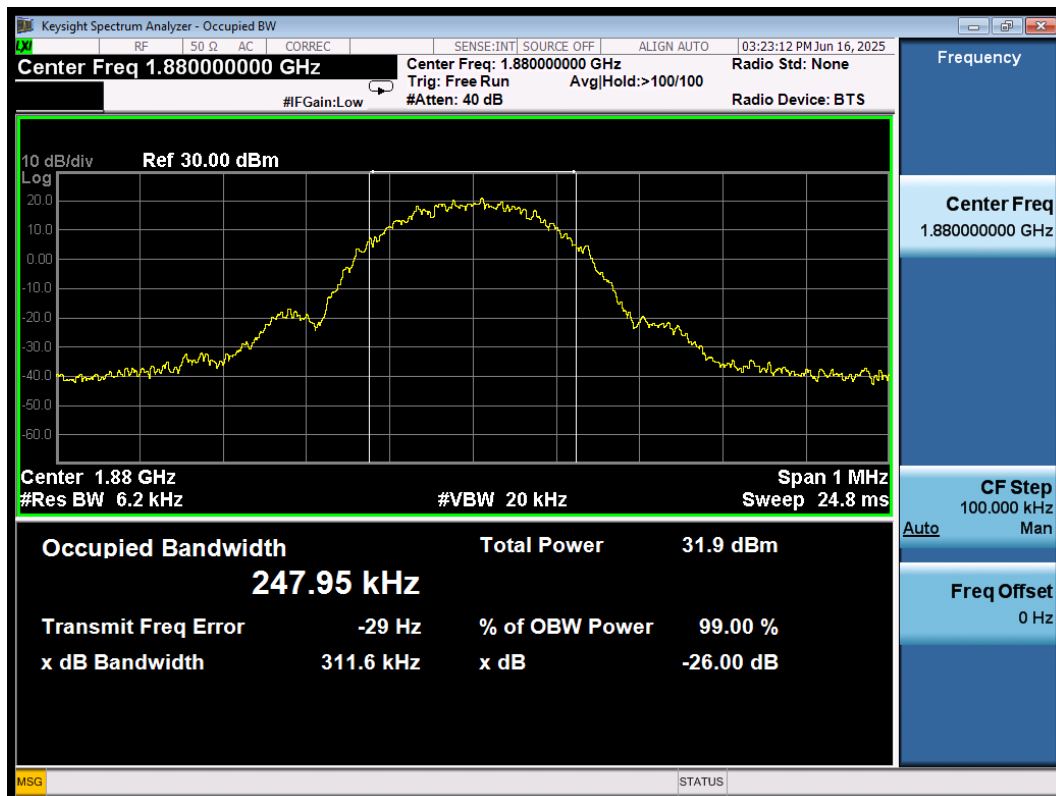
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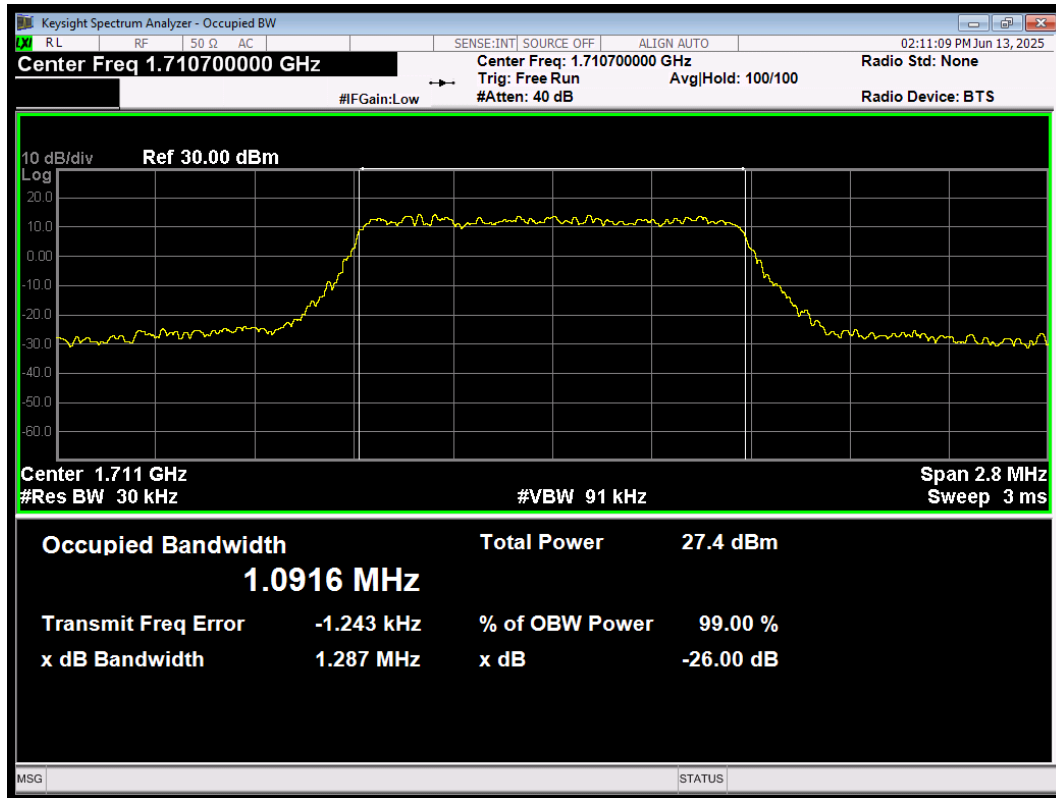
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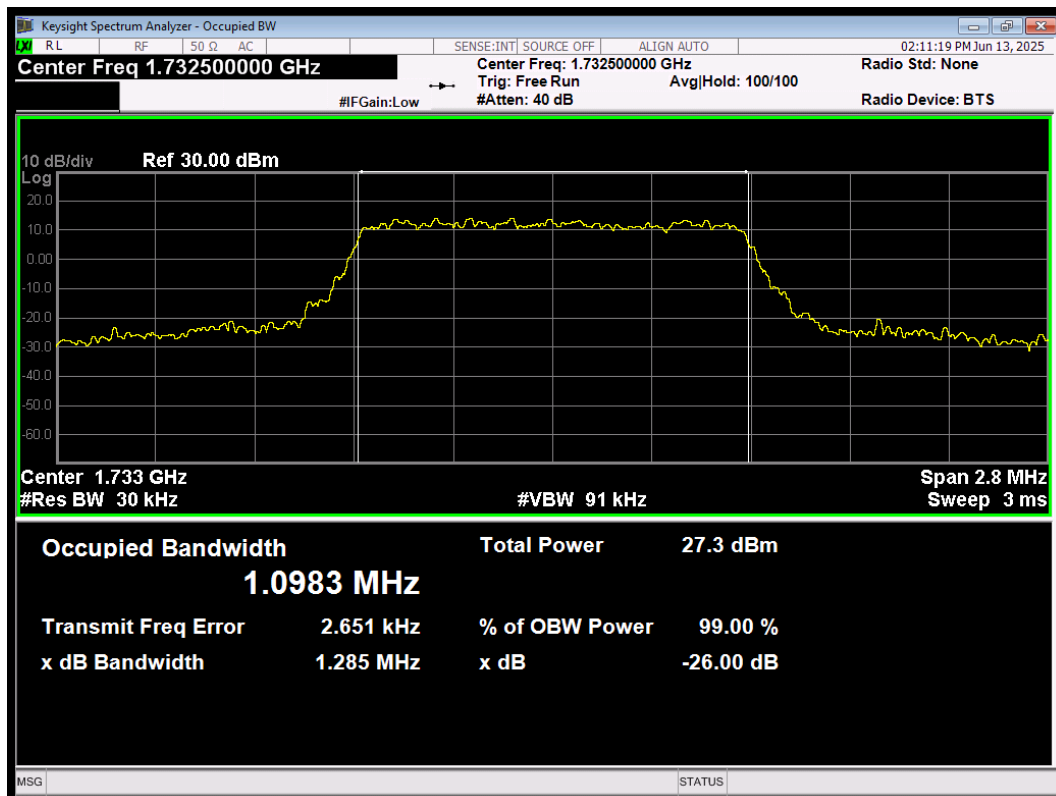
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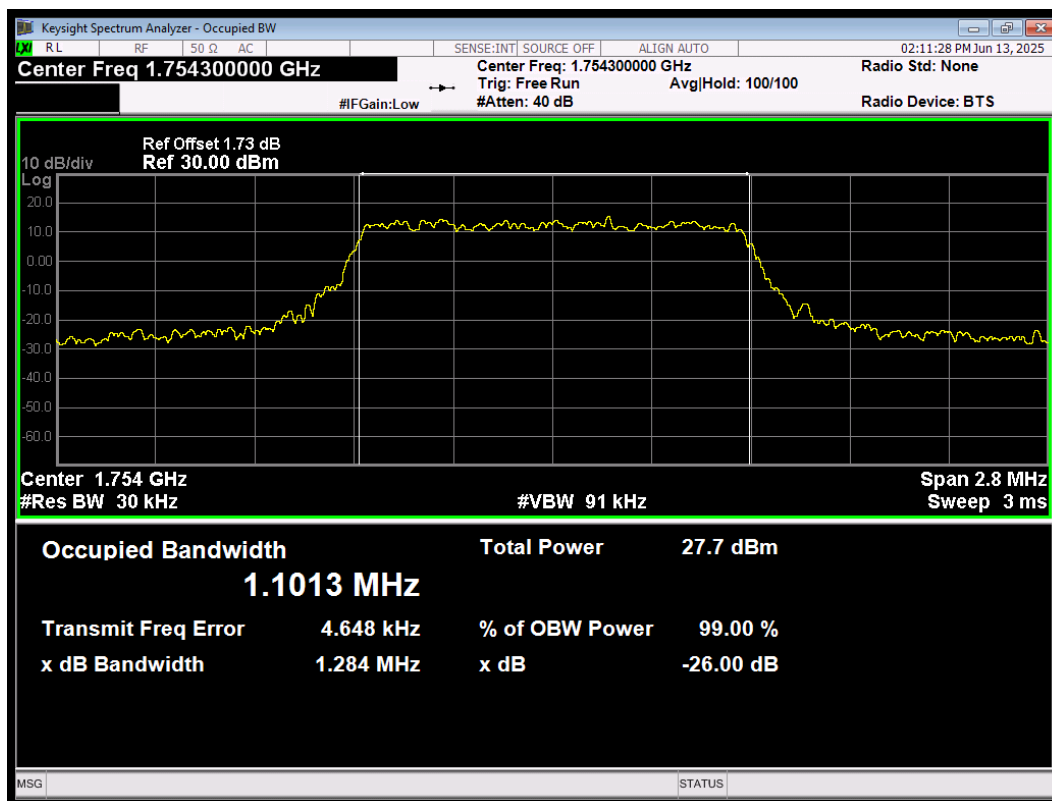
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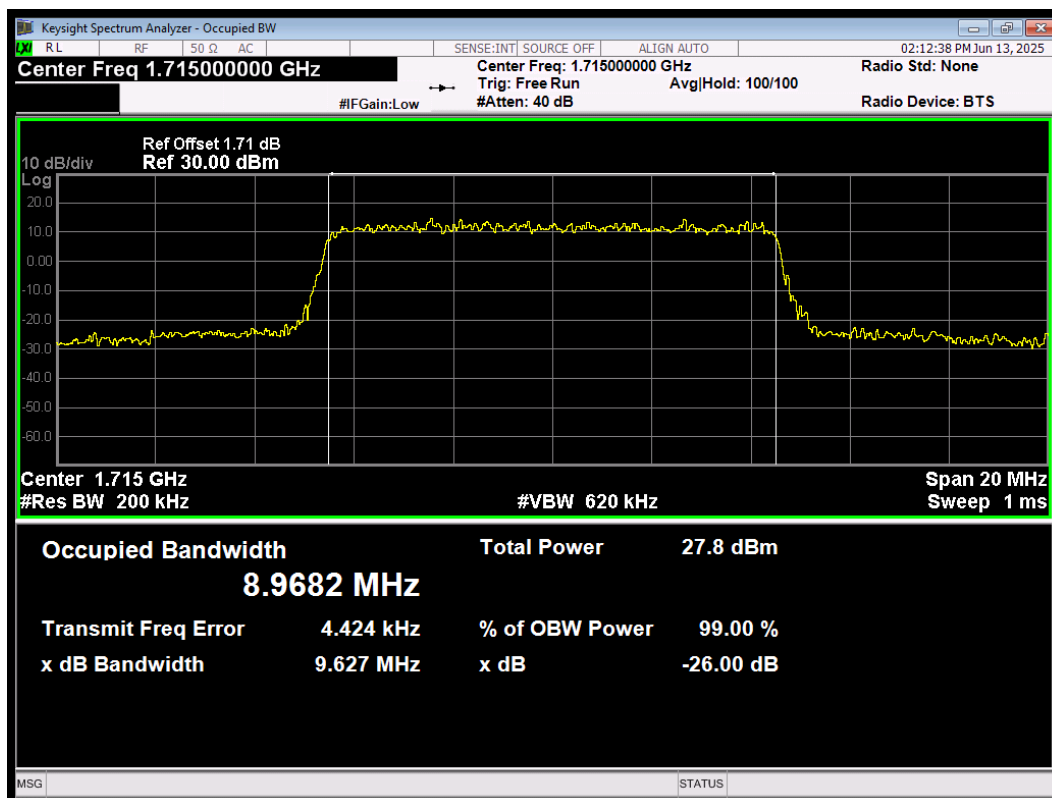
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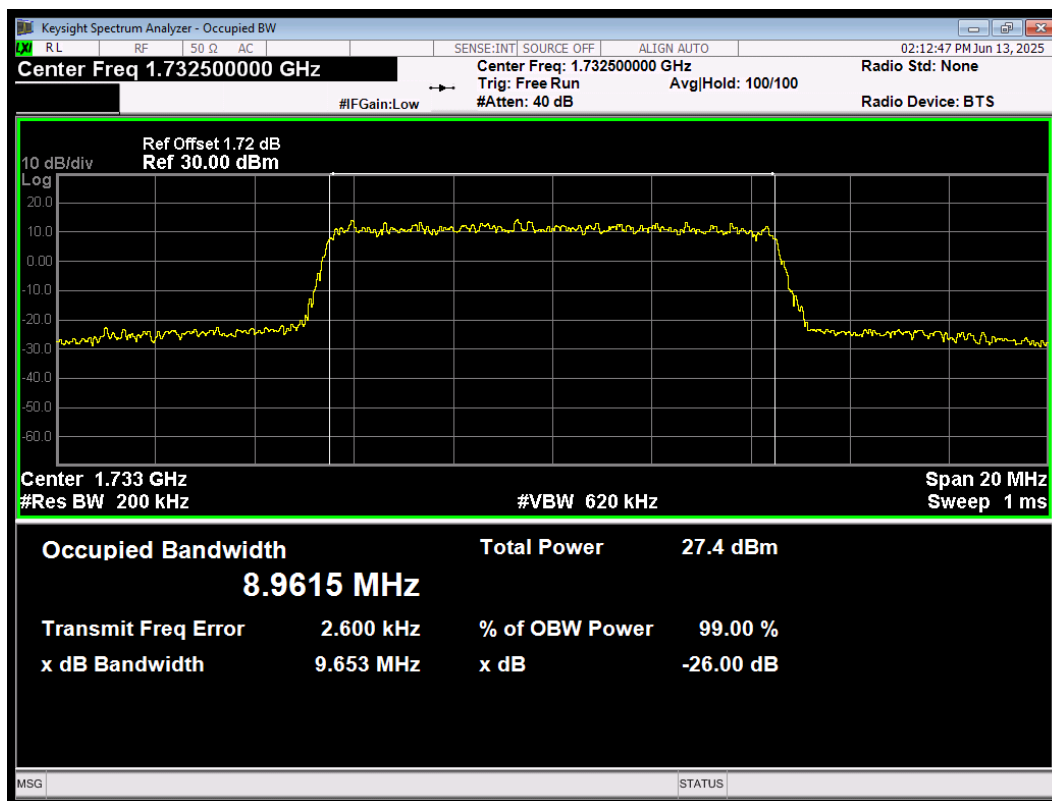
LTE Band 4 Occupied bandwidth 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



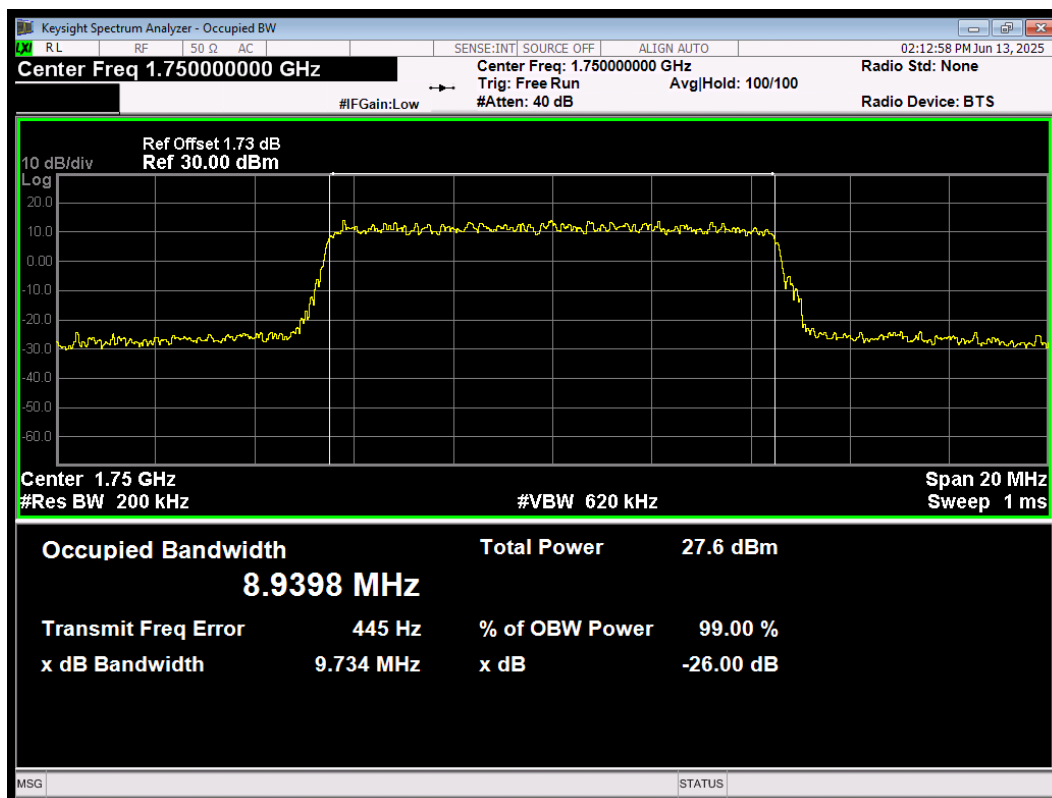
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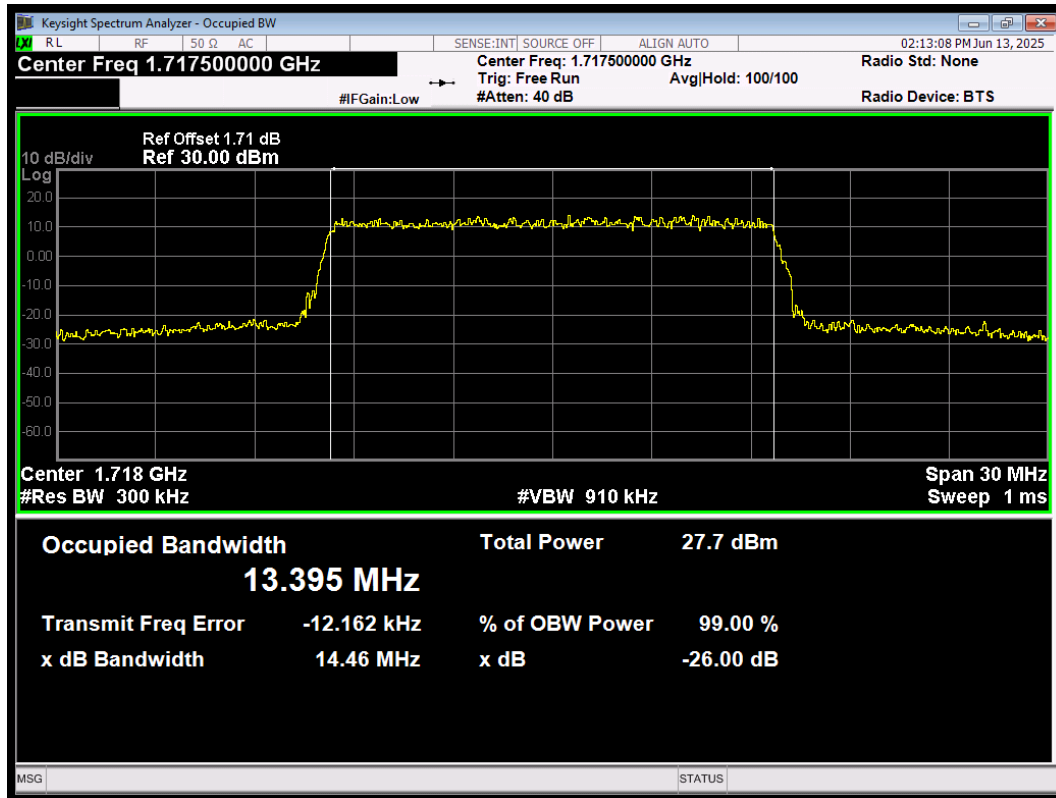
LTE Band 4 Occupied bandwidth16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



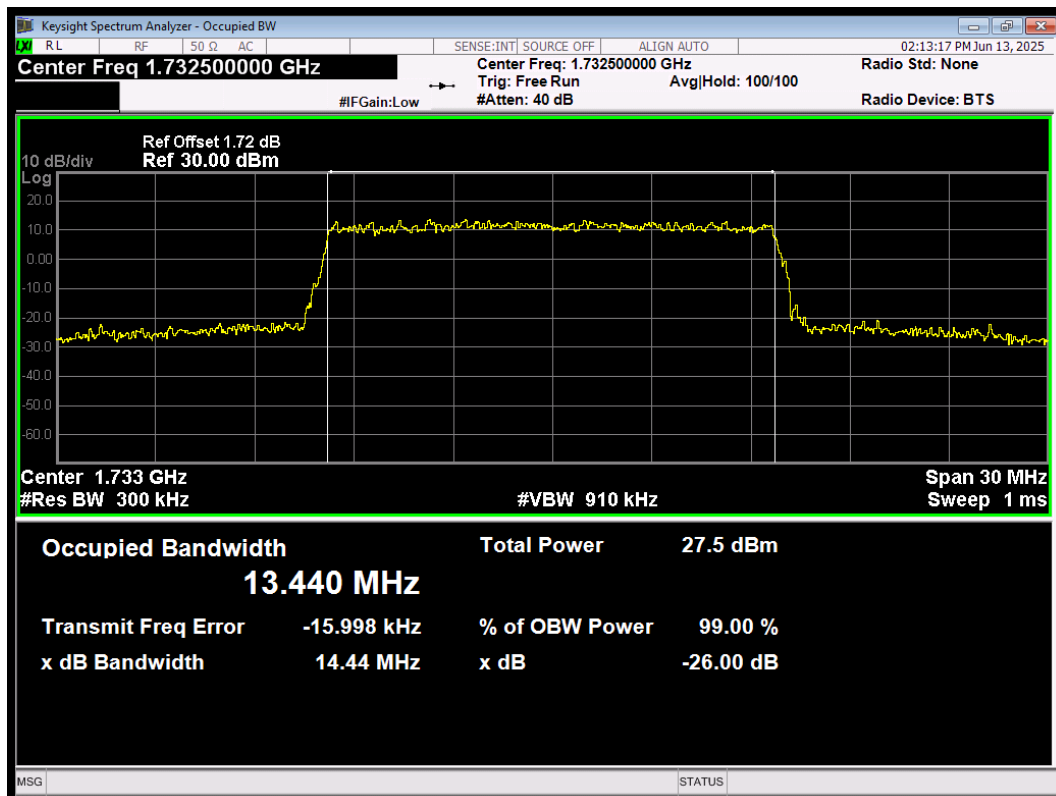
LTE Band 4 Occupied bandwidth16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



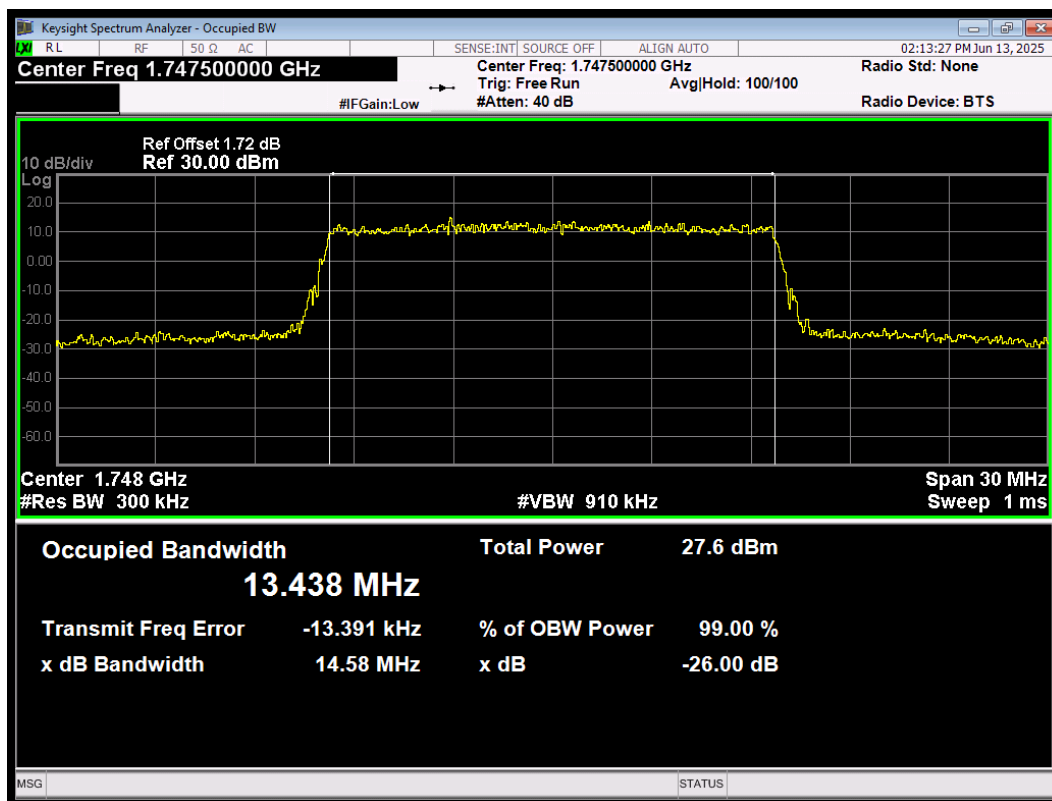
LTE Band 4 Occupied bandwidth16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



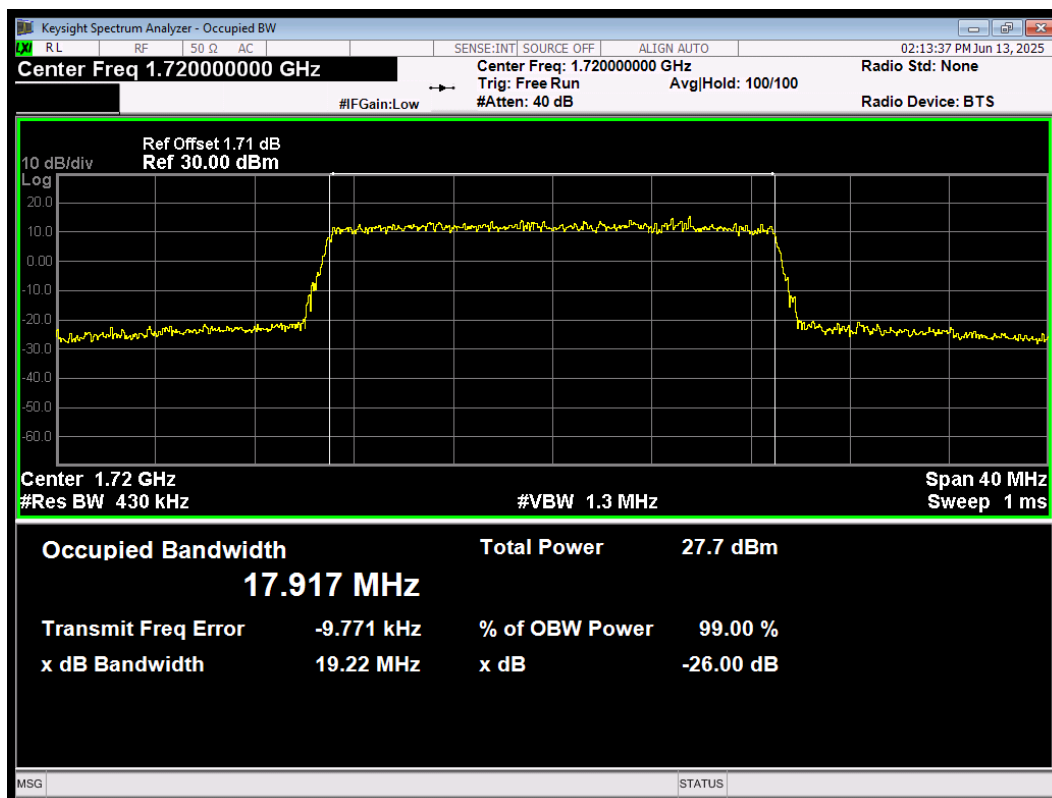
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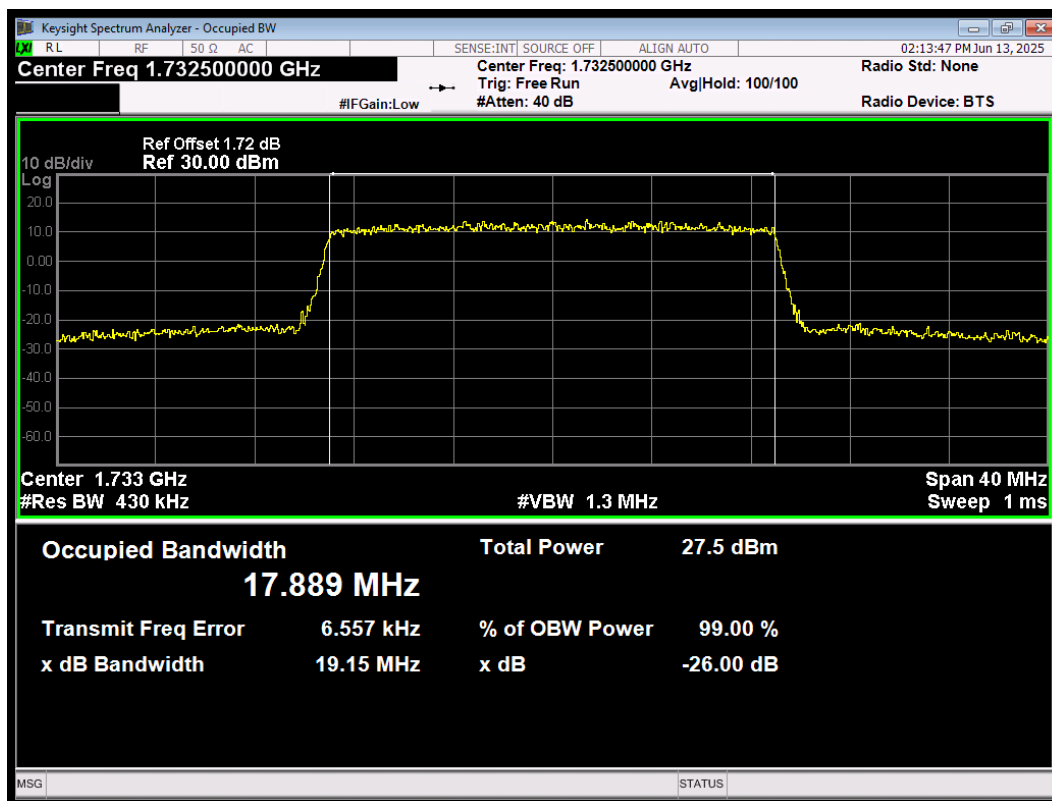
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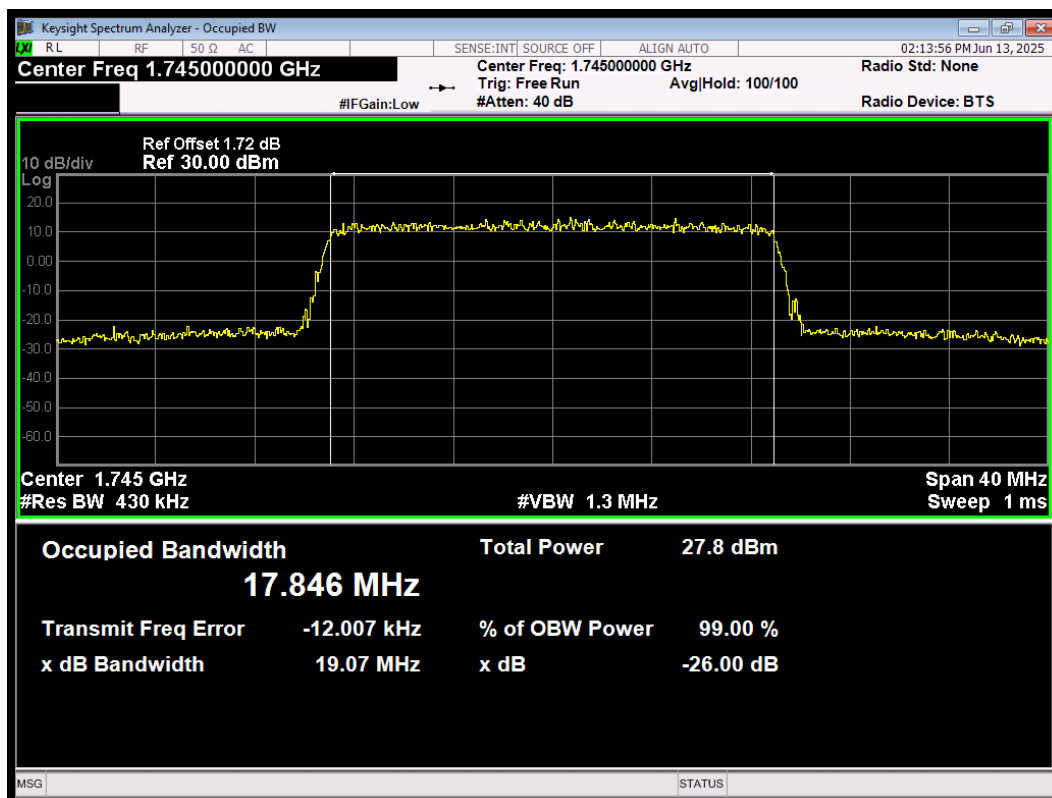
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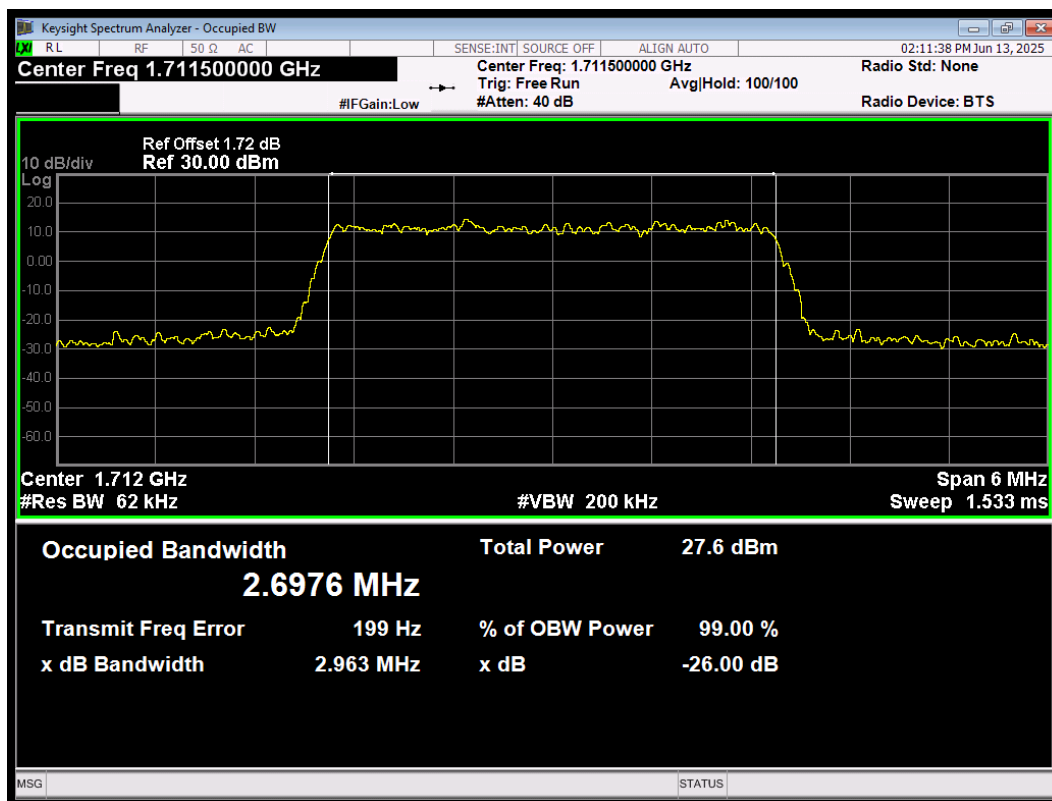
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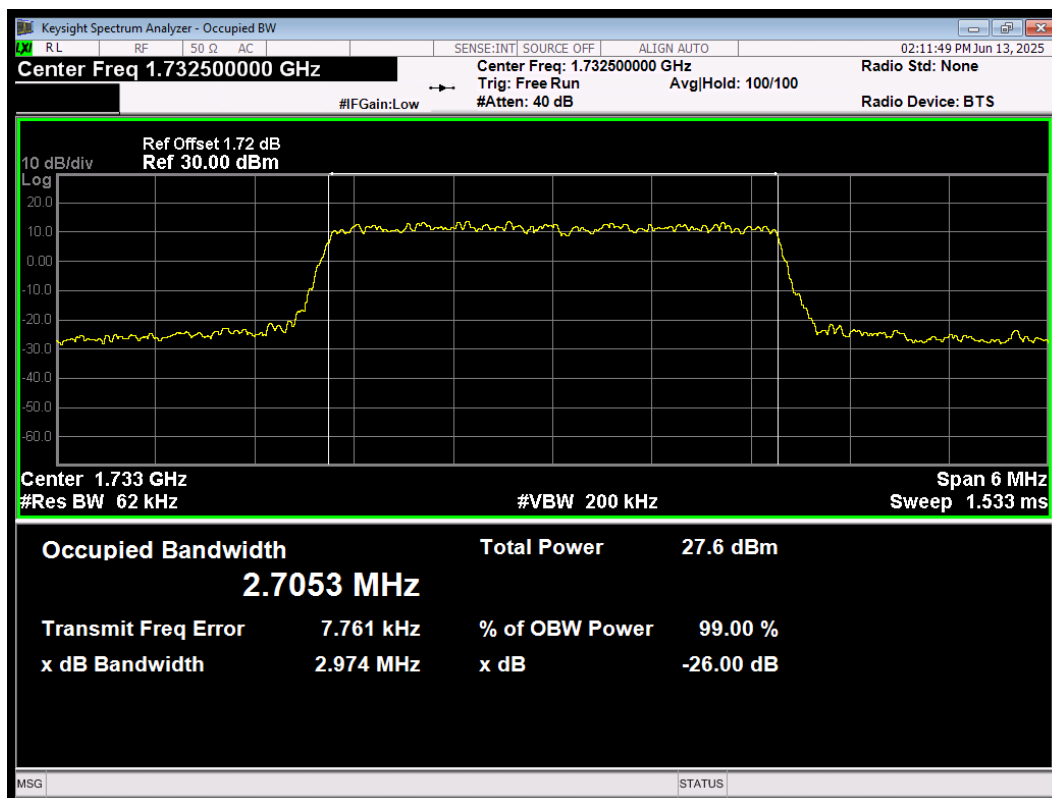
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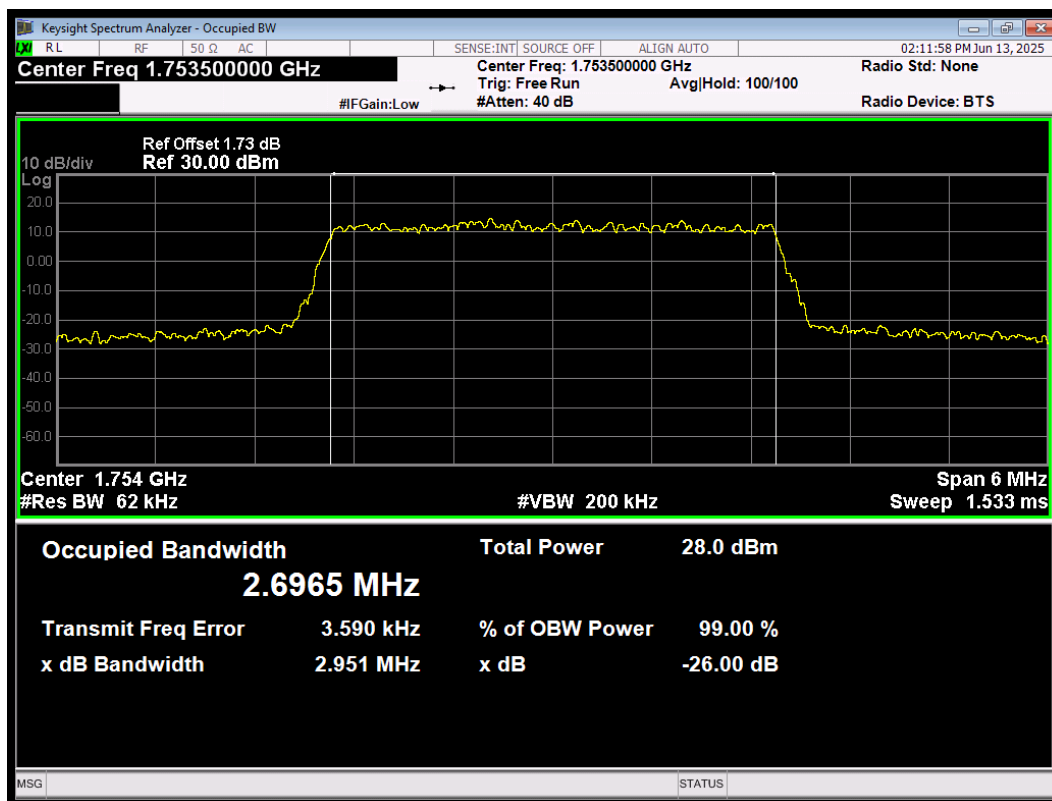
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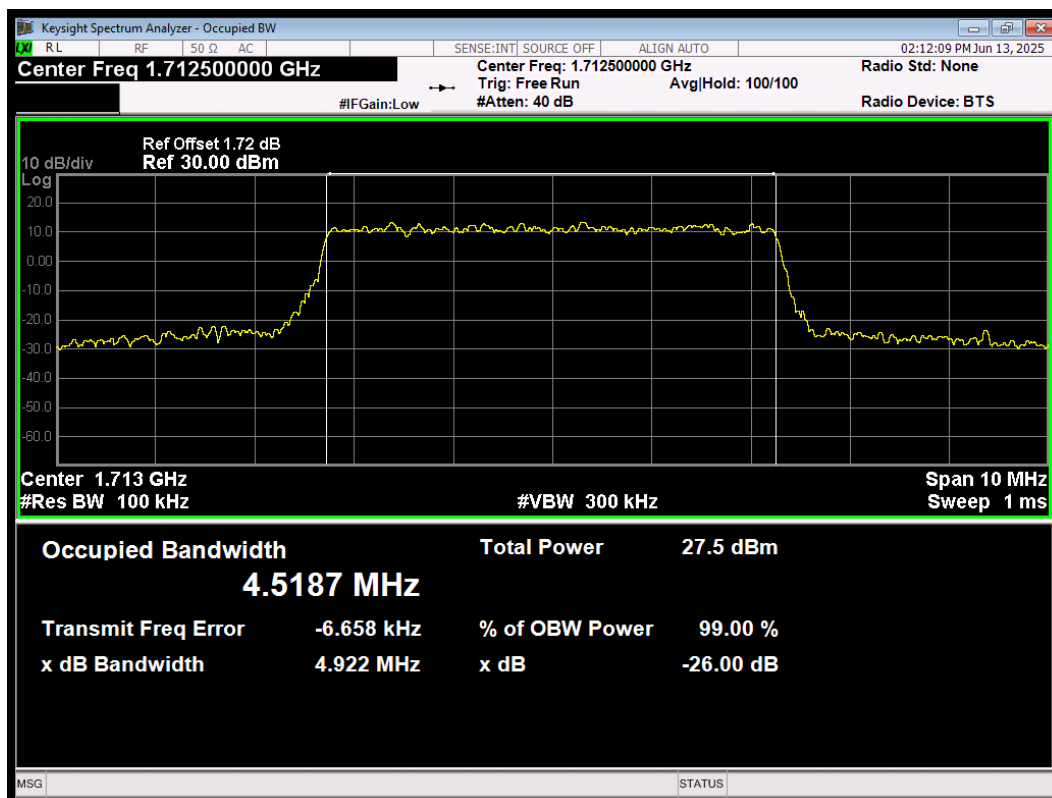
LTE Band 4 Occupied bandwidth 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



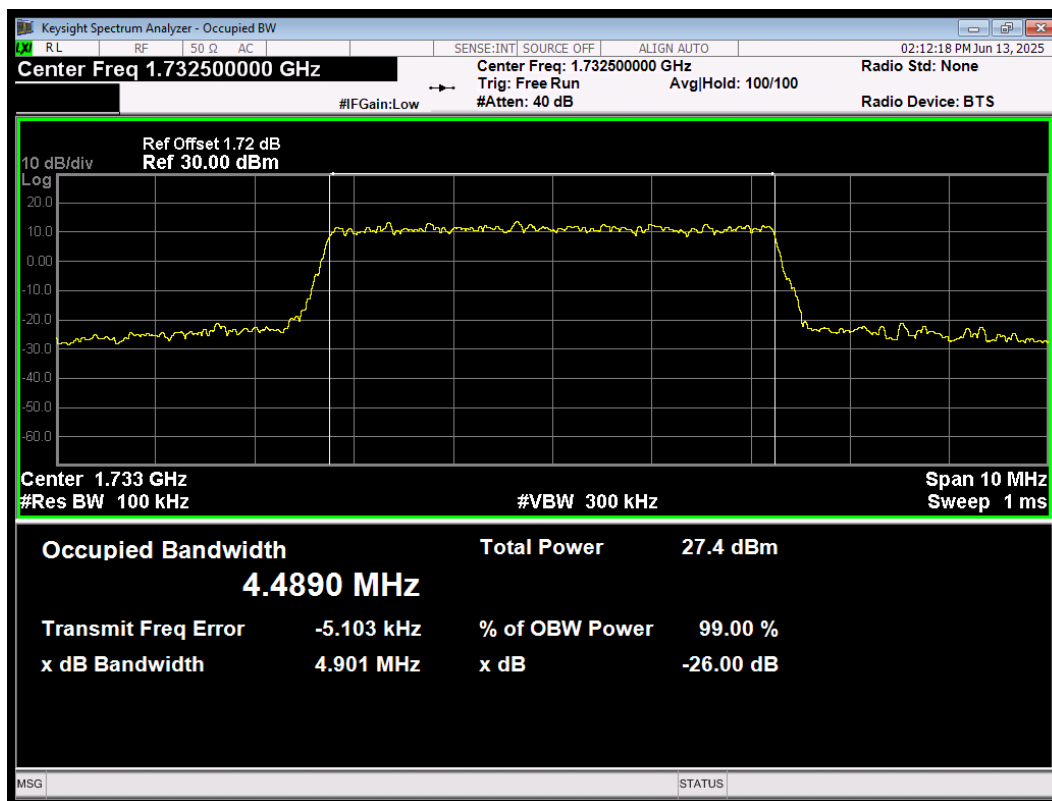
LTE Band 4 Occupied bandwidth 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



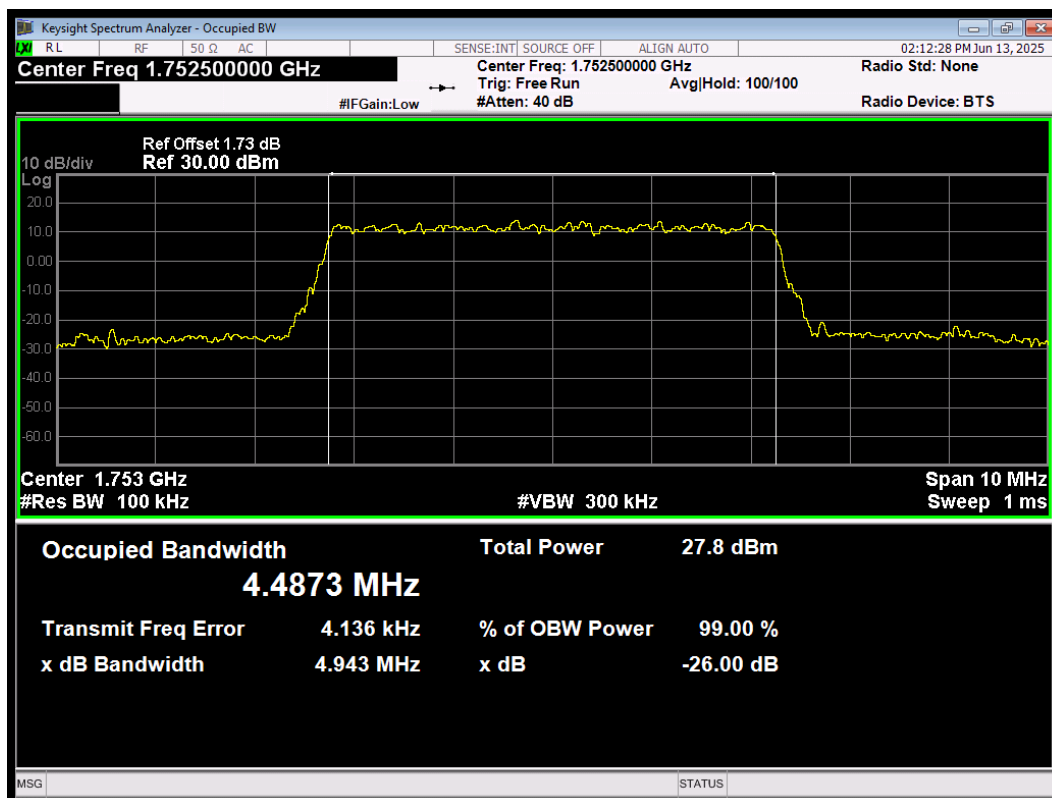
LTE Band 4 Occupied bandwidth 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



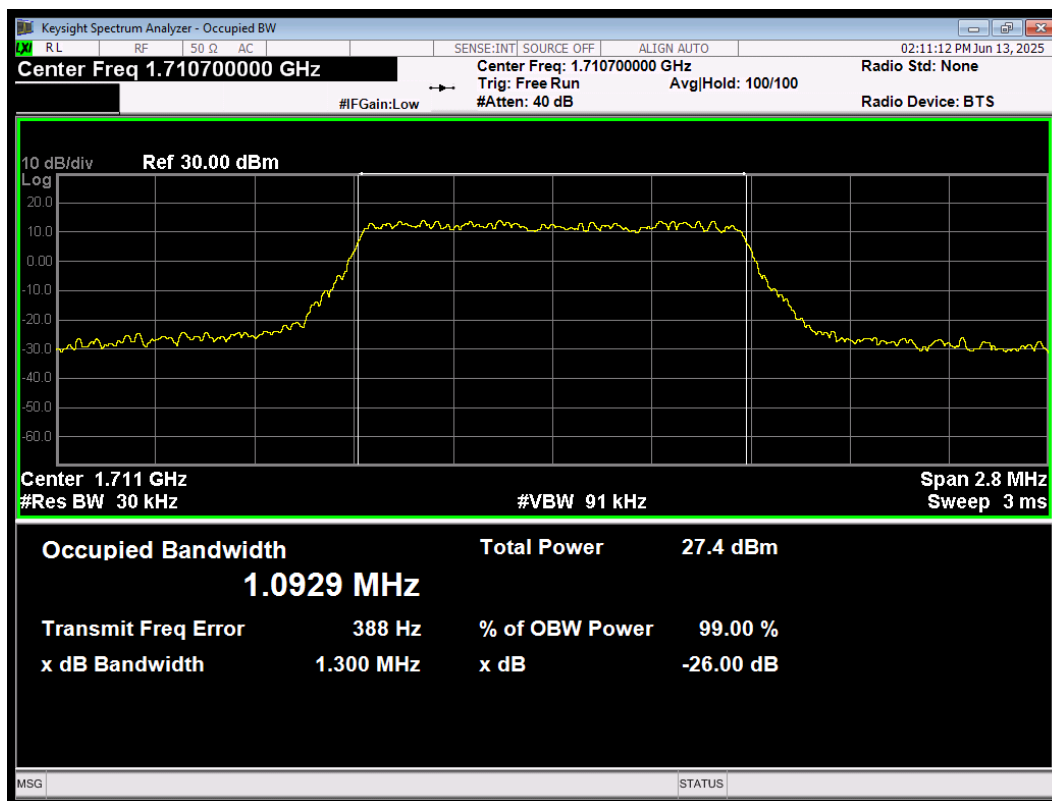
LTE Band 4 Occupied bandwidth 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



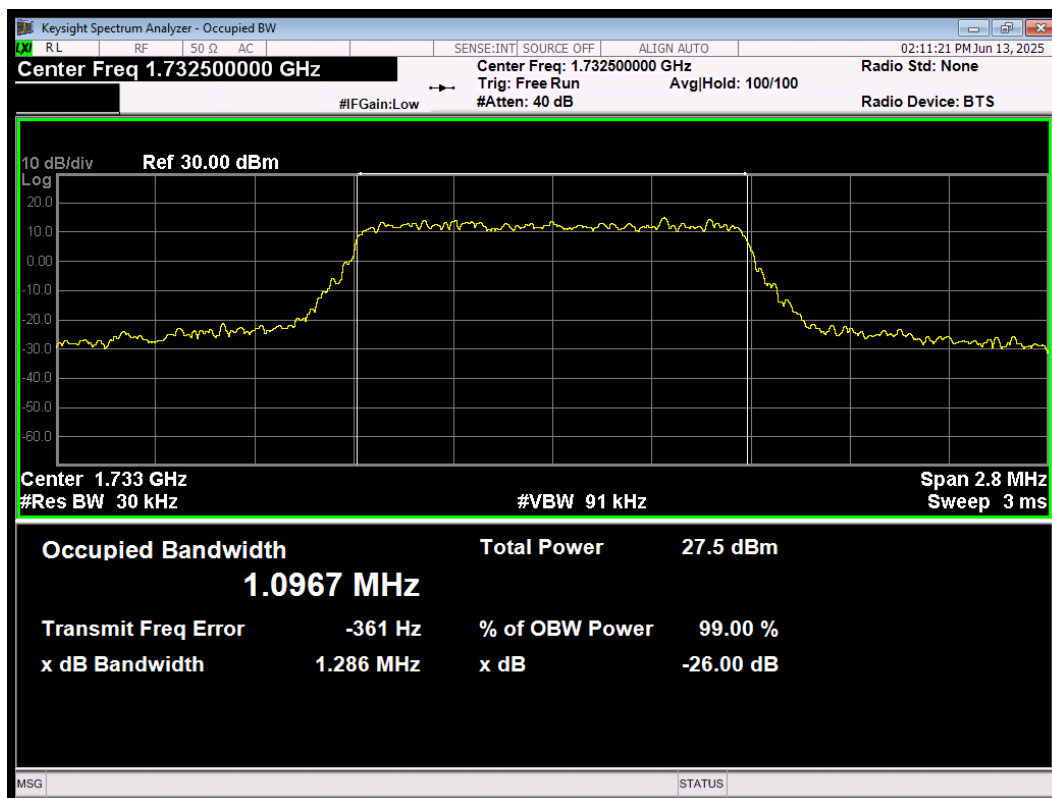
LTE Band 4 Occupied bandwidth 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



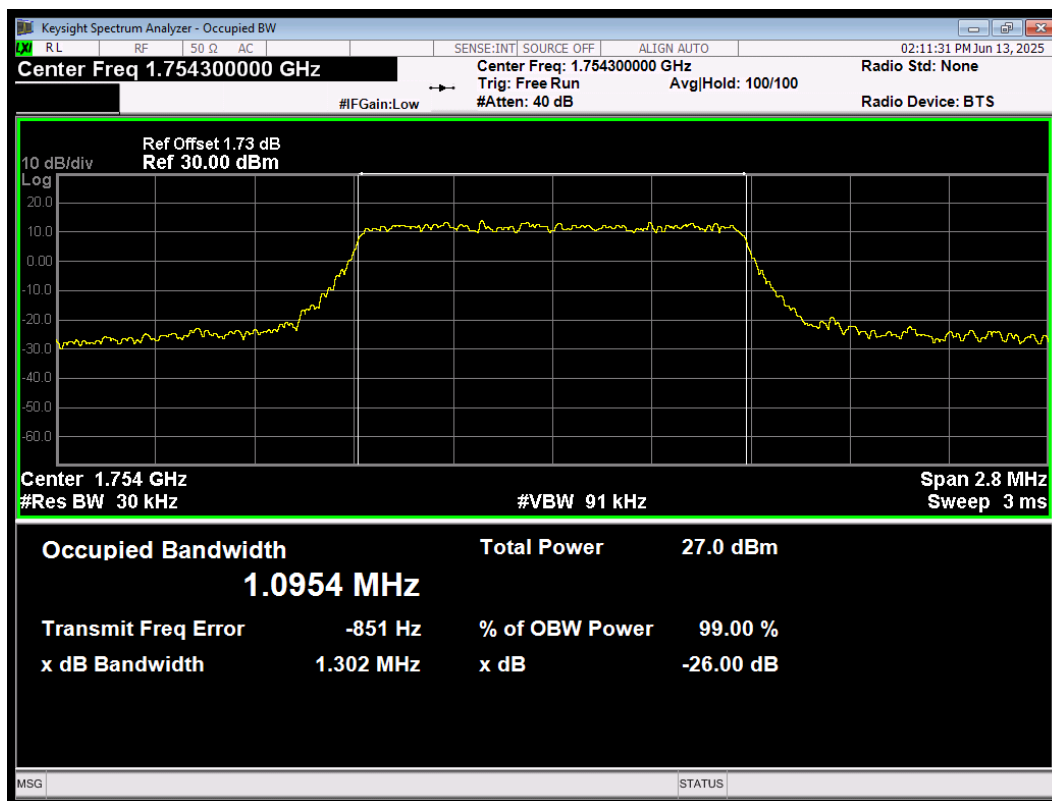
LTE Band 4 Occupied bandwidth 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



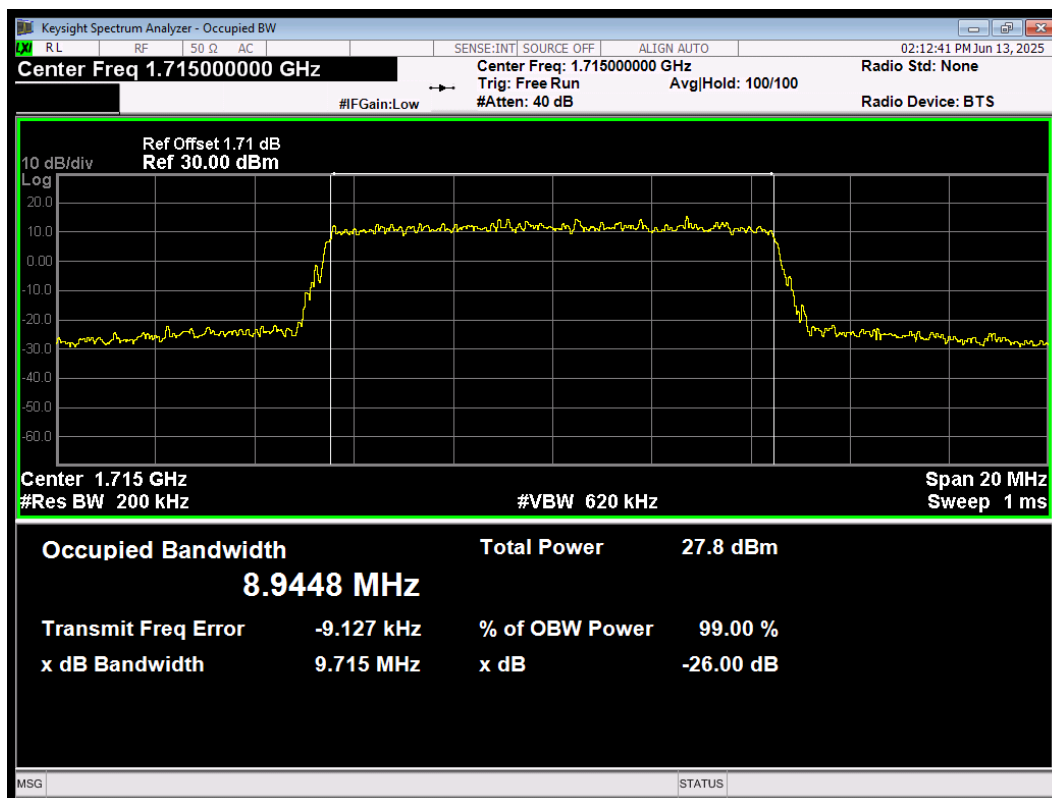
LTE Band 4 Occupied bandwidth64QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



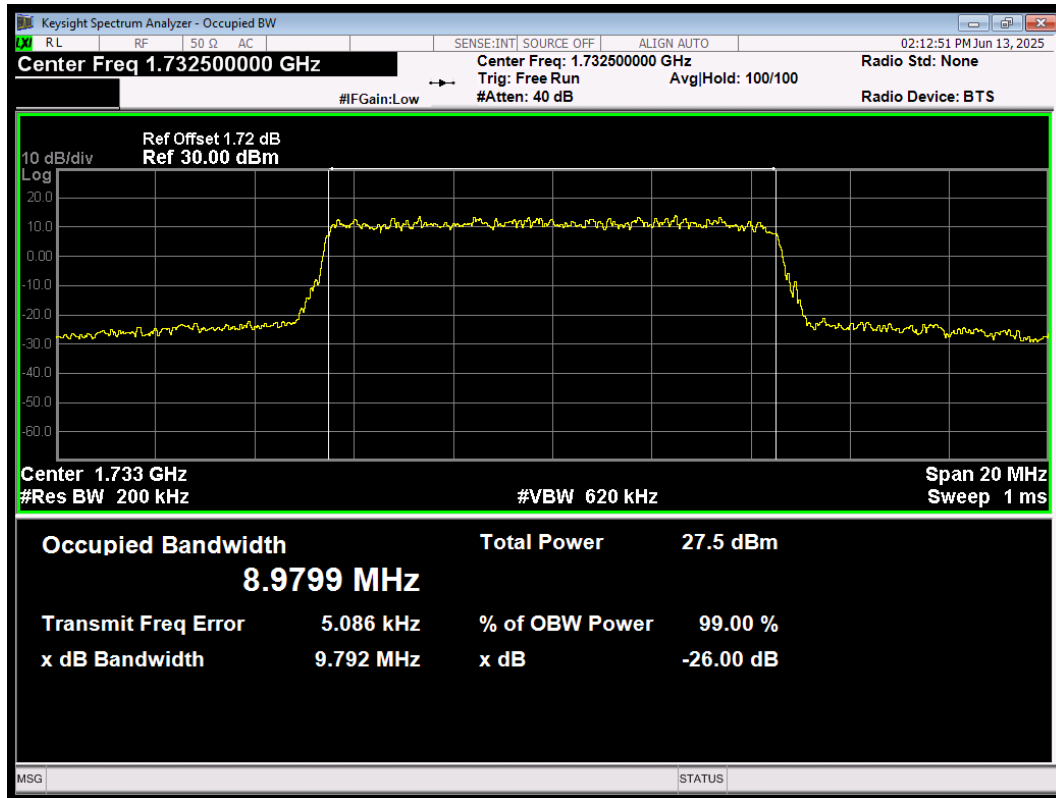
LTE Band 4 Occupied bandwidth64QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



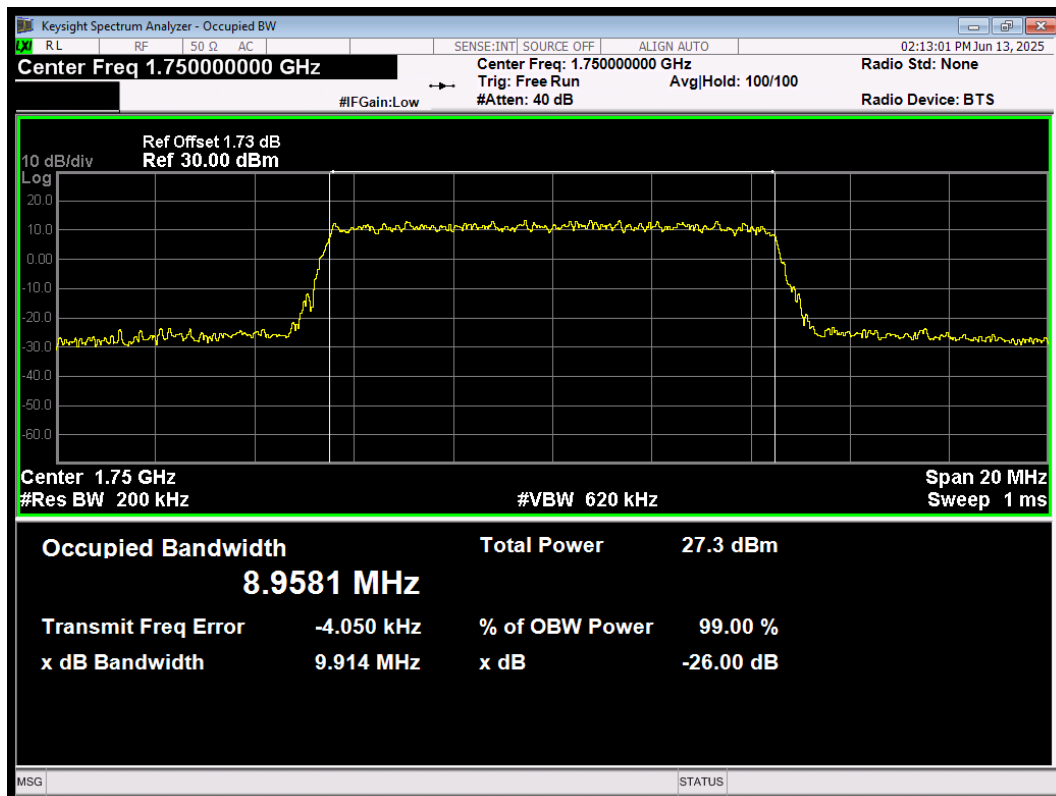
LTE Band 4 Occupied bandwidth 64QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



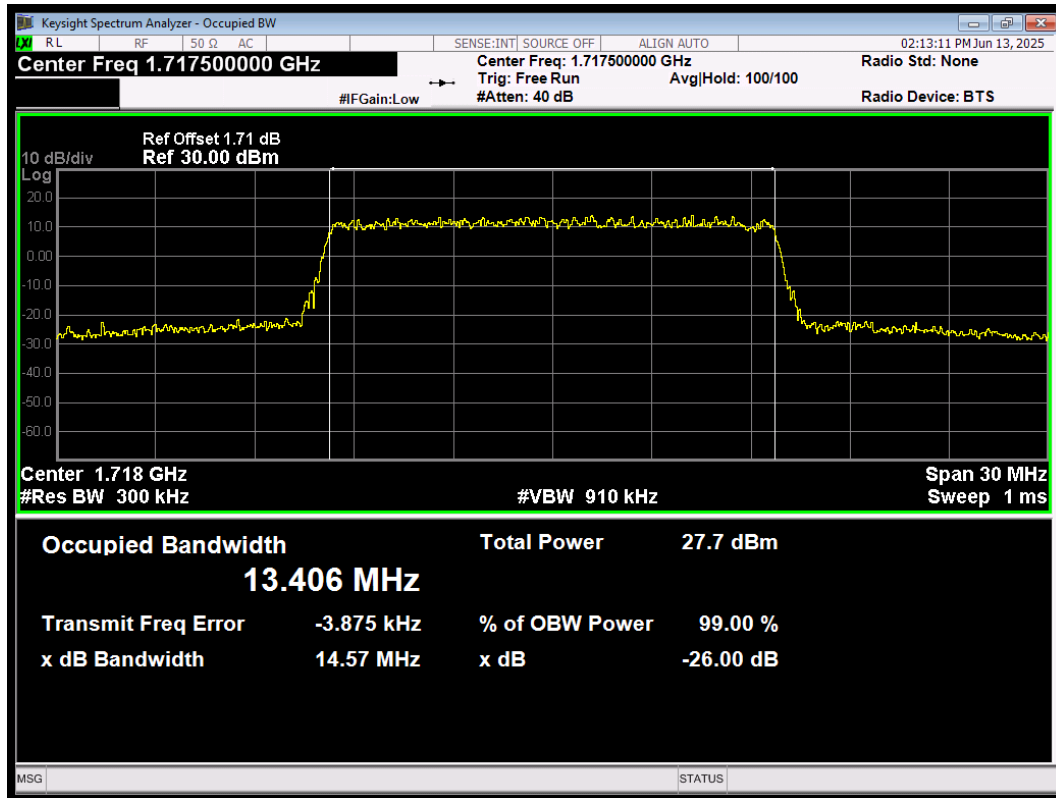
LTE Band 4 Occupied bandwidth 64QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



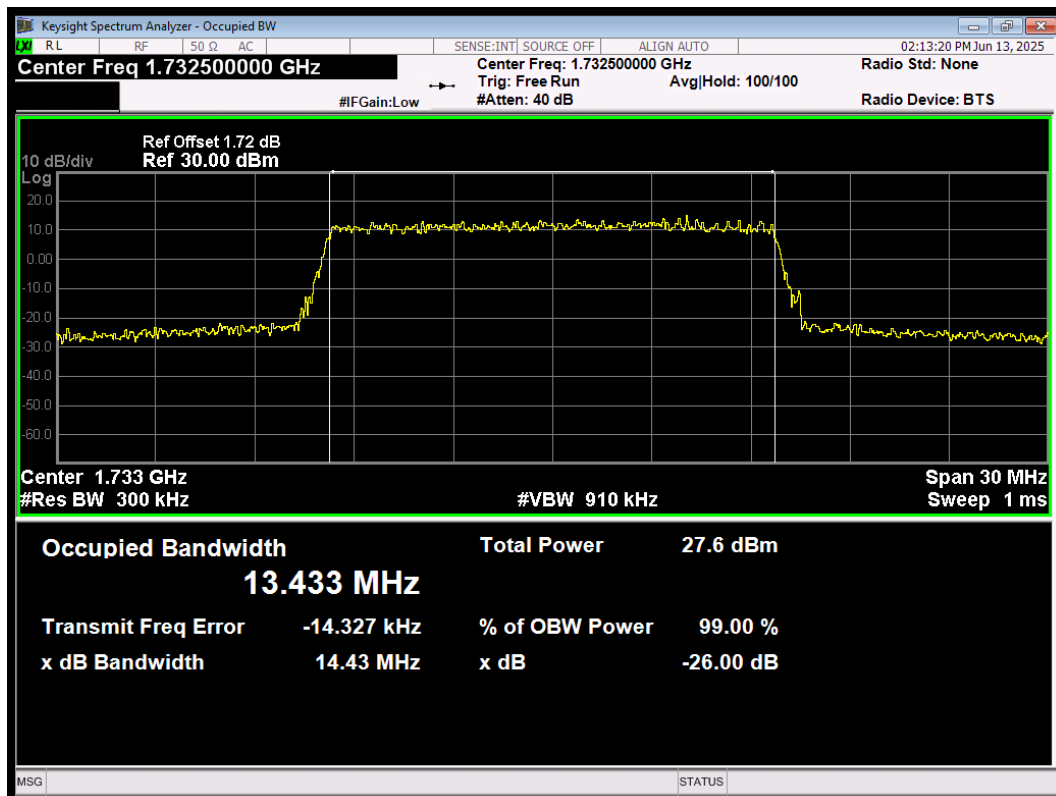
LTE Band 4 Occupied bandwidth64QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



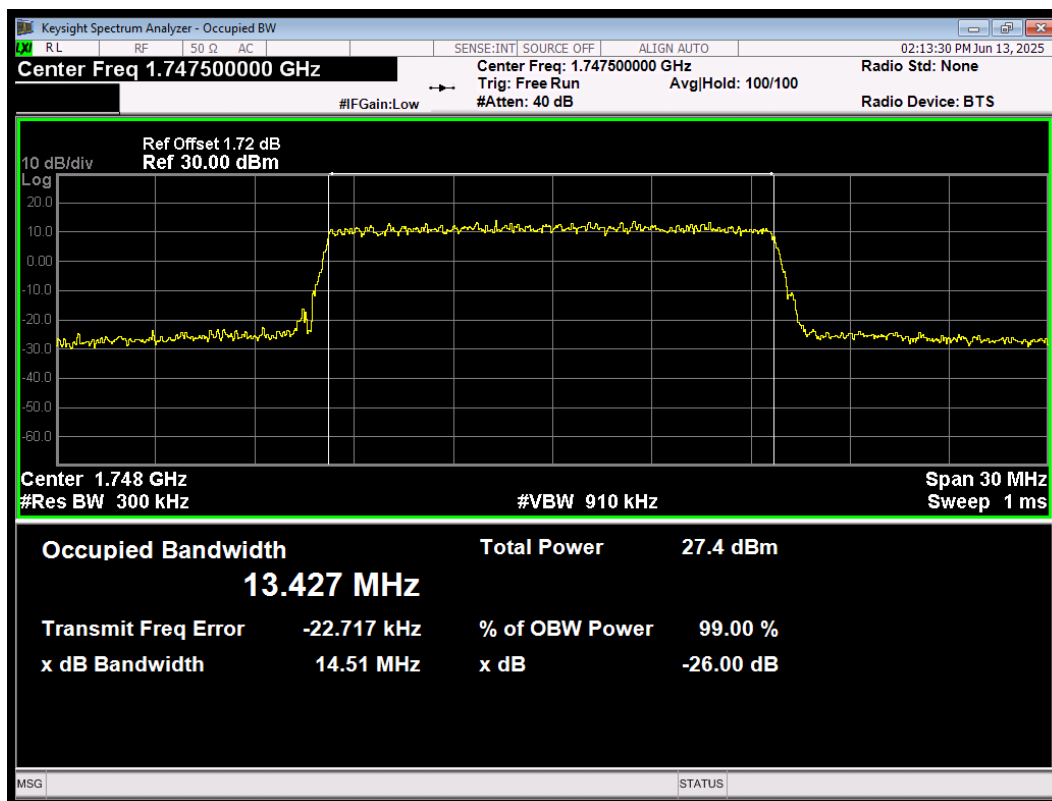
LTE Band 4 Occupied bandwidth64QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



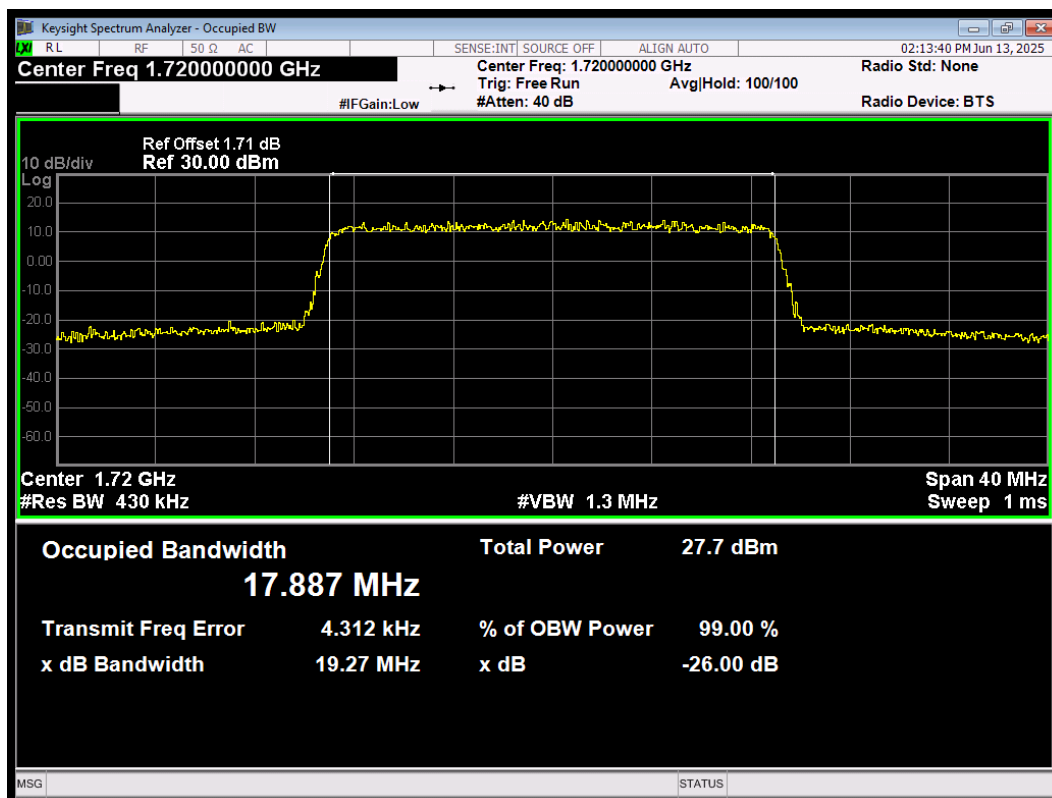
LTE Band 4 Occupied bandwidth 64QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



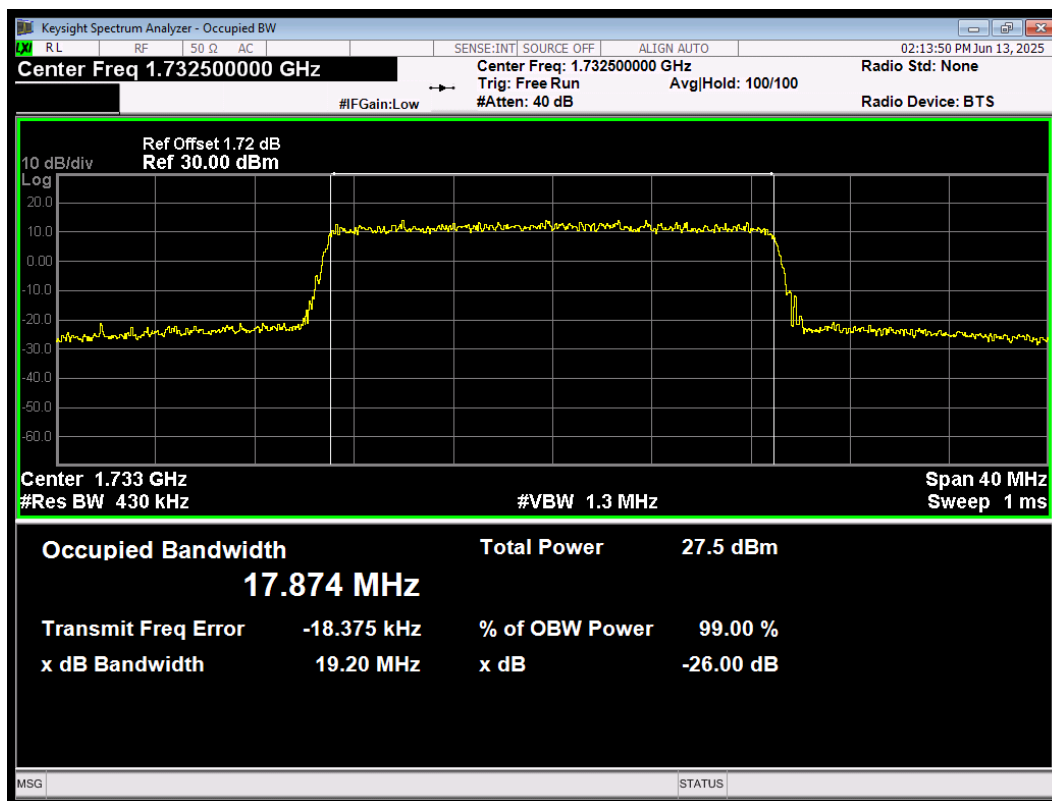
LTE Band 4 Occupied bandwidth 64QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



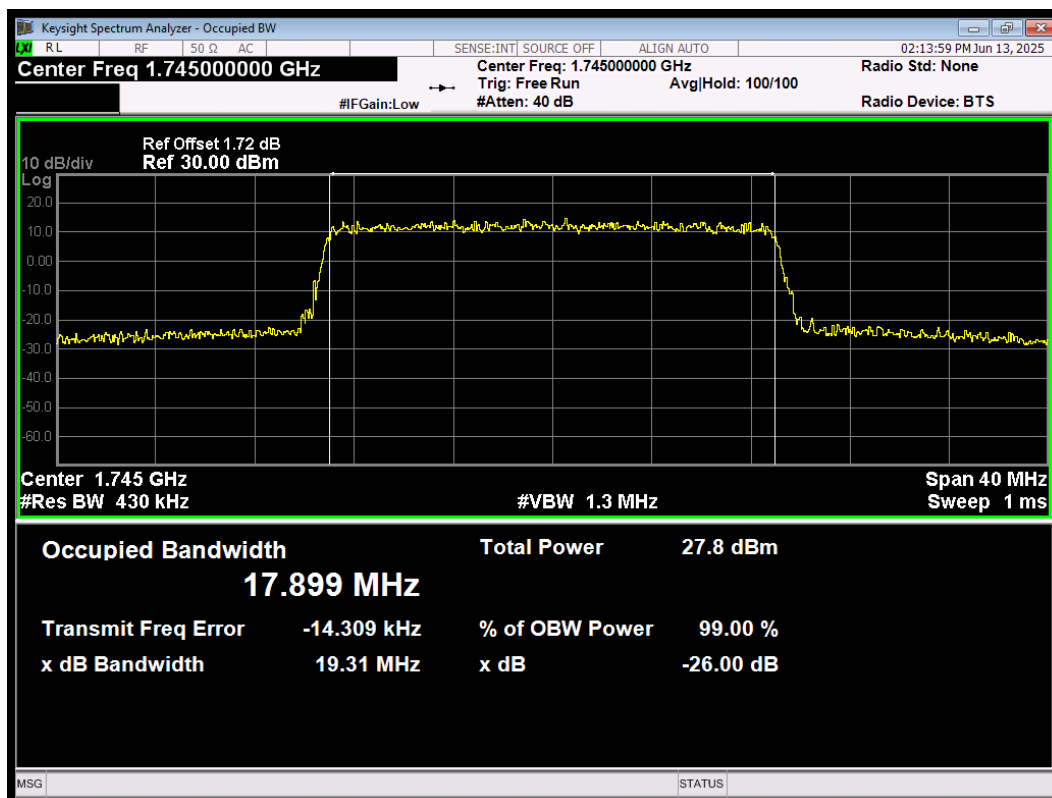
LTE Band 4 Occupied bandwidth 64QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



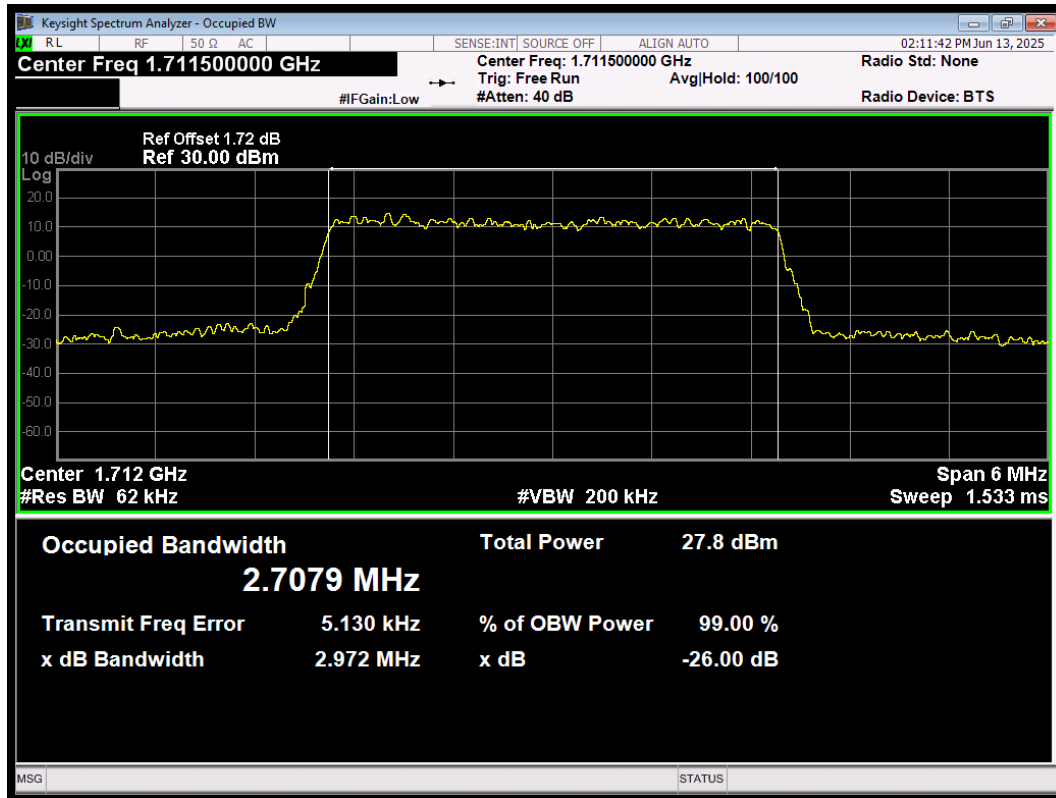
LTE Band 4 Occupied bandwidth 64QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



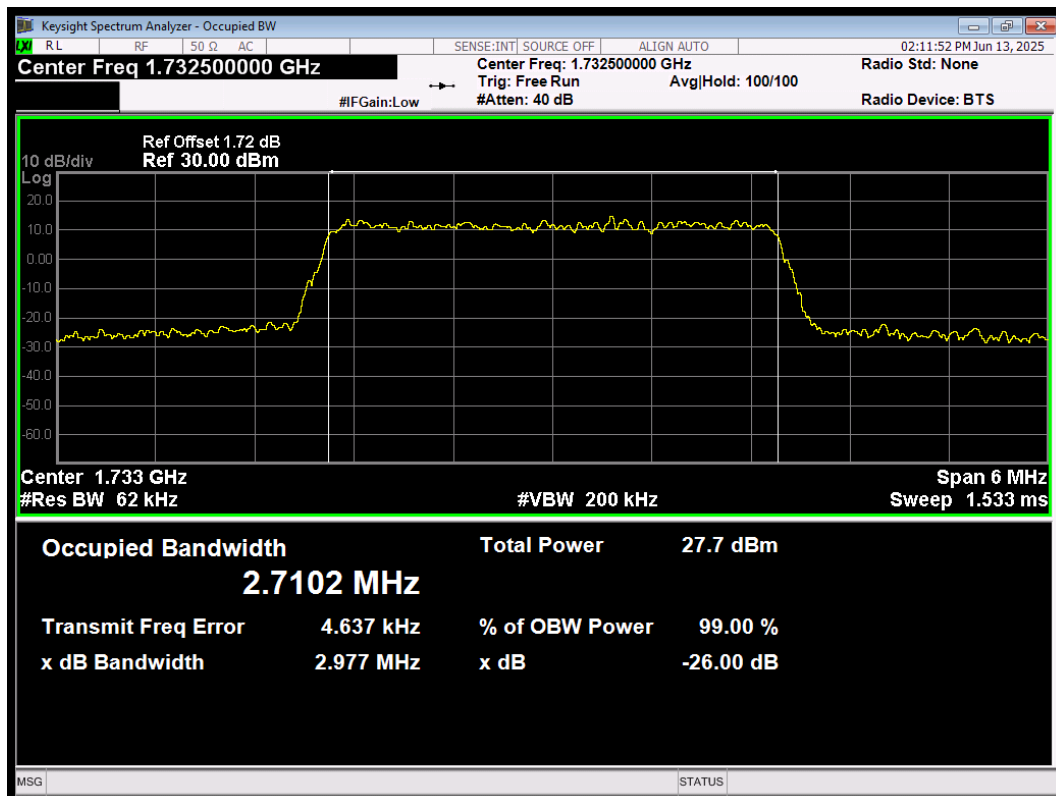
LTE Band 4 Occupied bandwidth 64QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



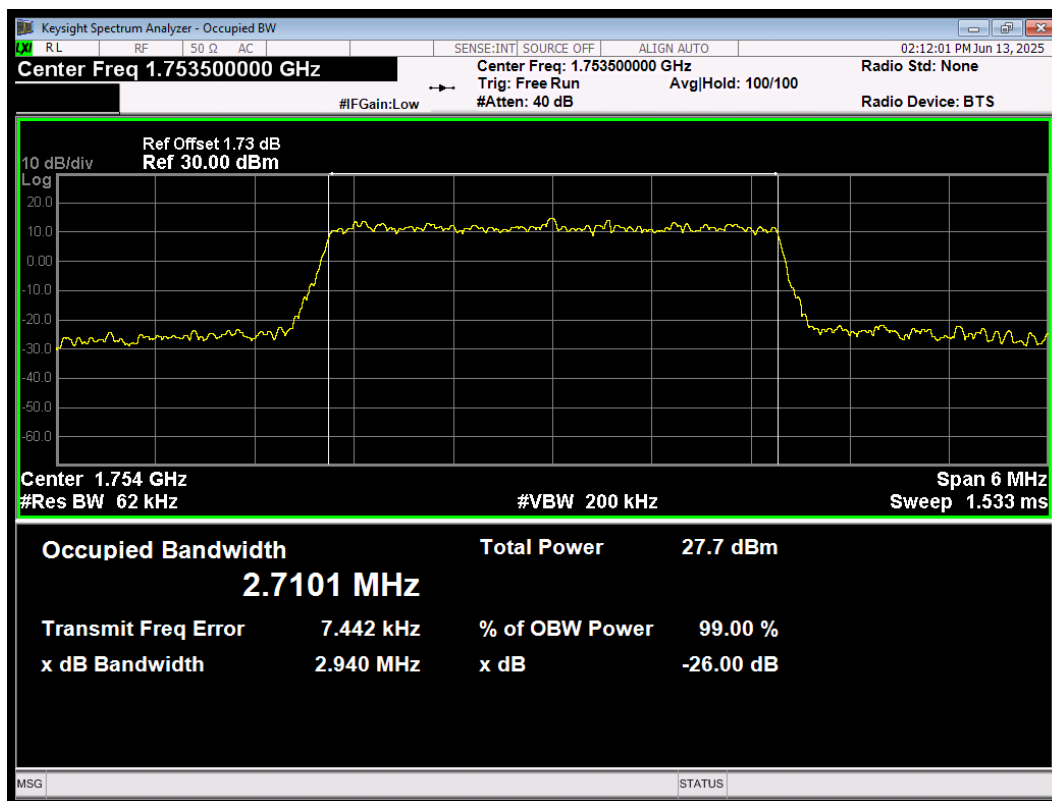
LTE Band 4 Occupied bandwidth 64QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



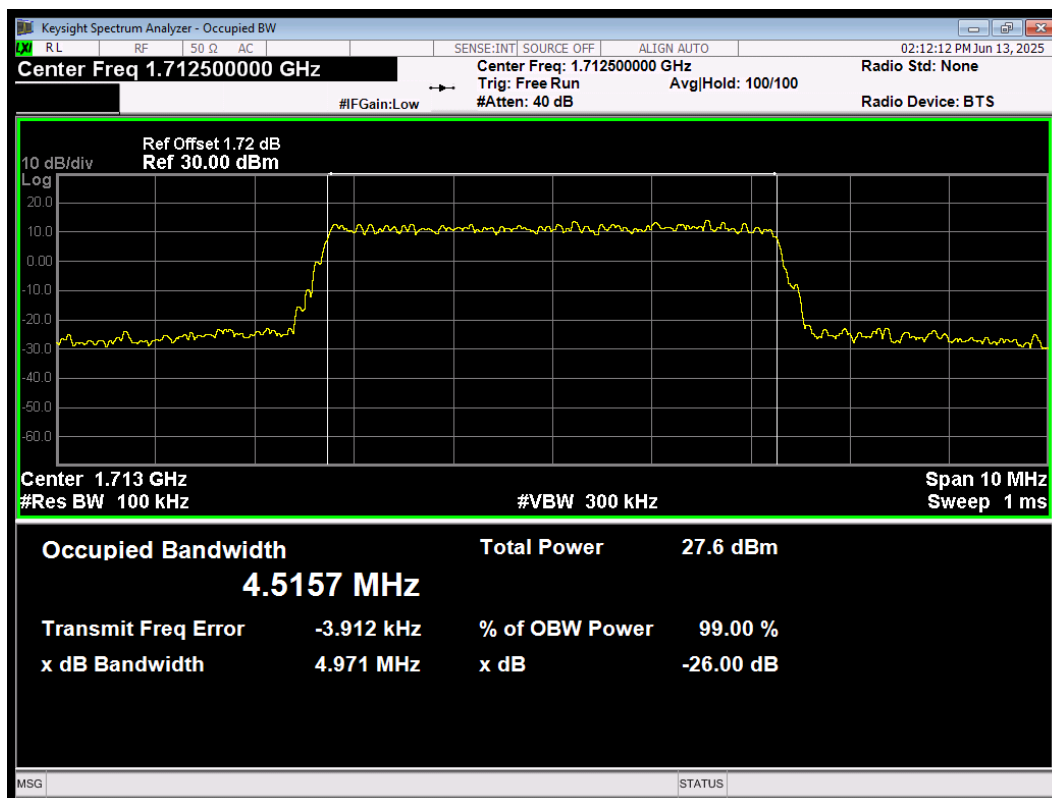
LTE Band 4 Occupied bandwidth64QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



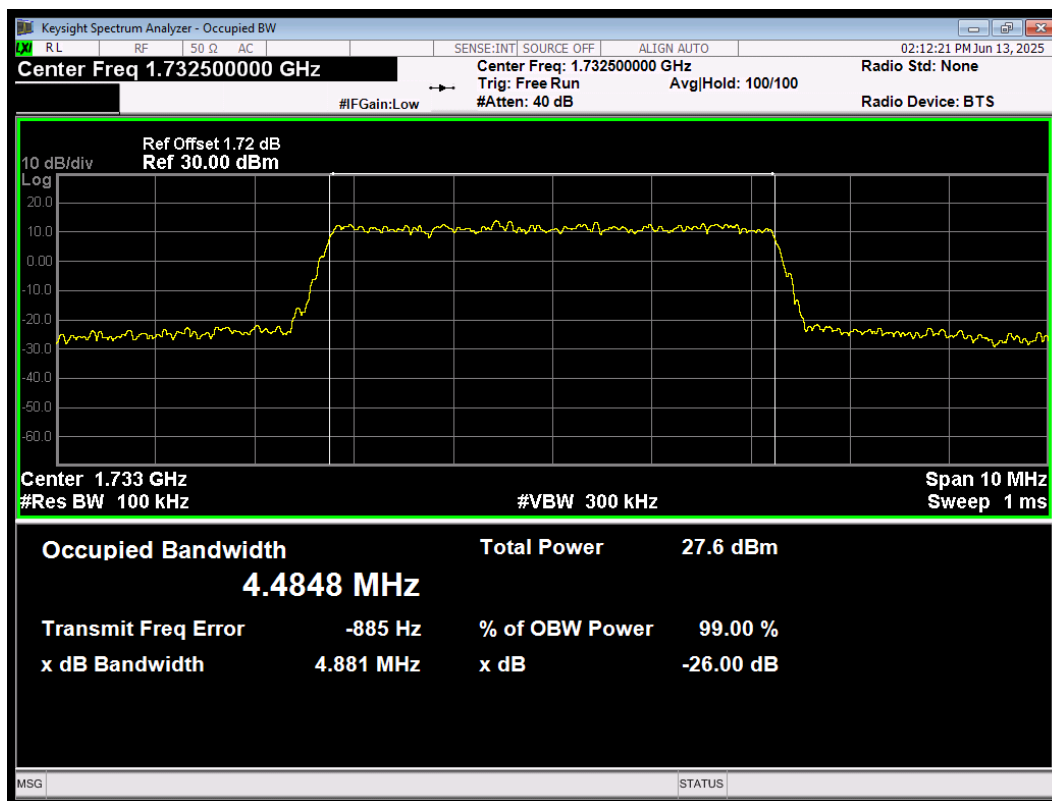
LTE Band 4 Occupied bandwidth64QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



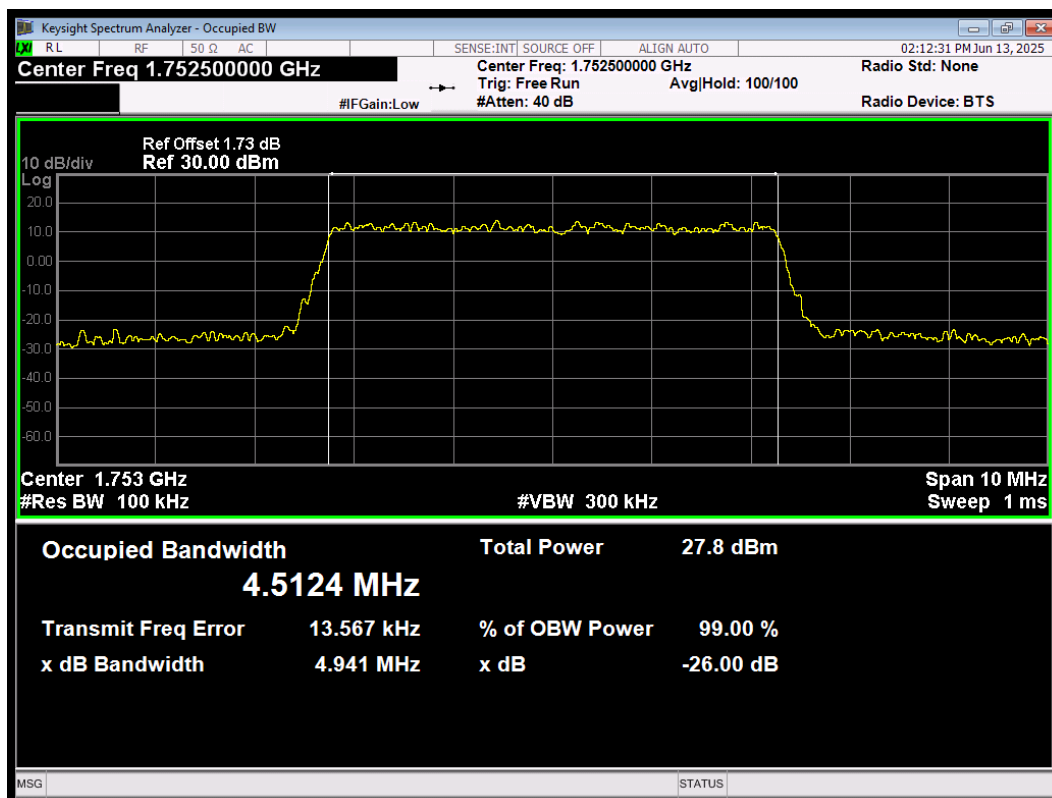
LTE Band 4 Occupied bandwidth 64QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



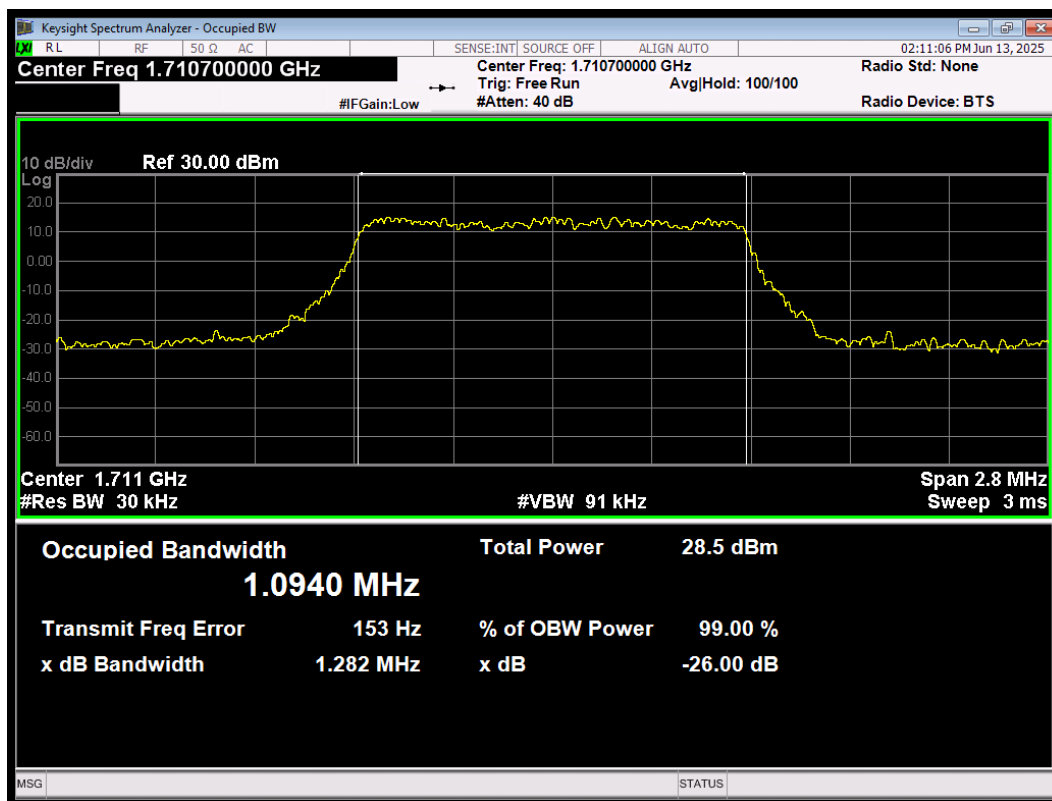
LTE Band 4 Occupied bandwidth 64QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



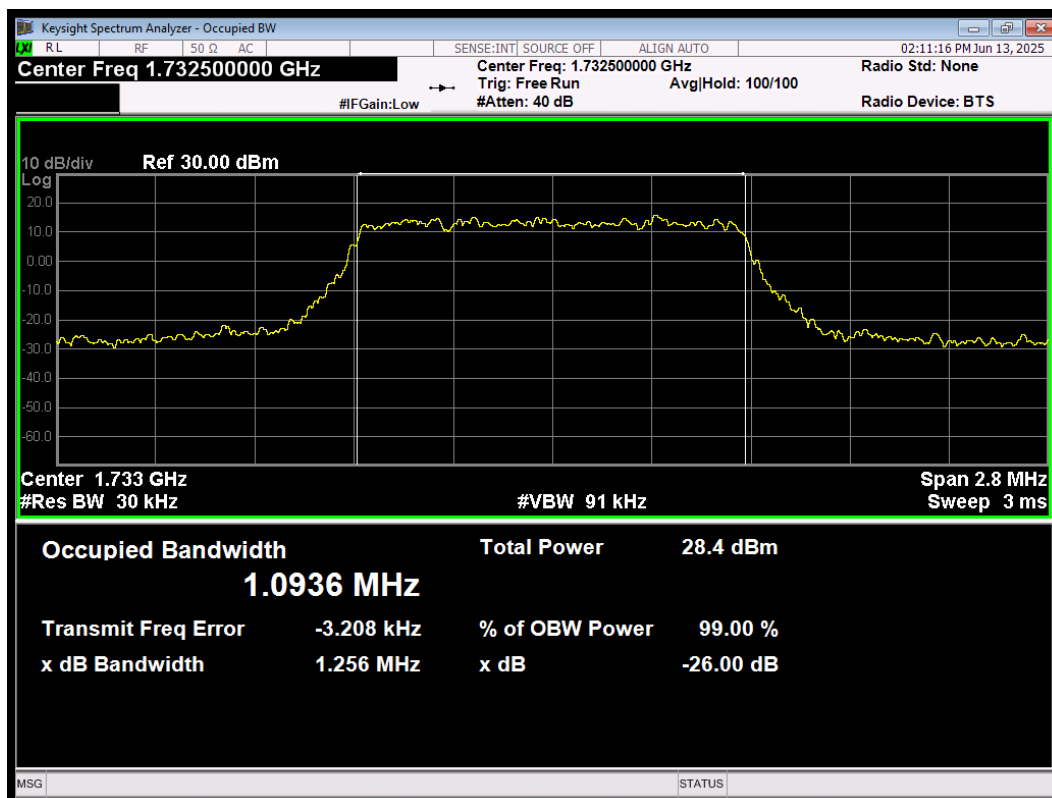
LTE Band 4 Occupied bandwidth64QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



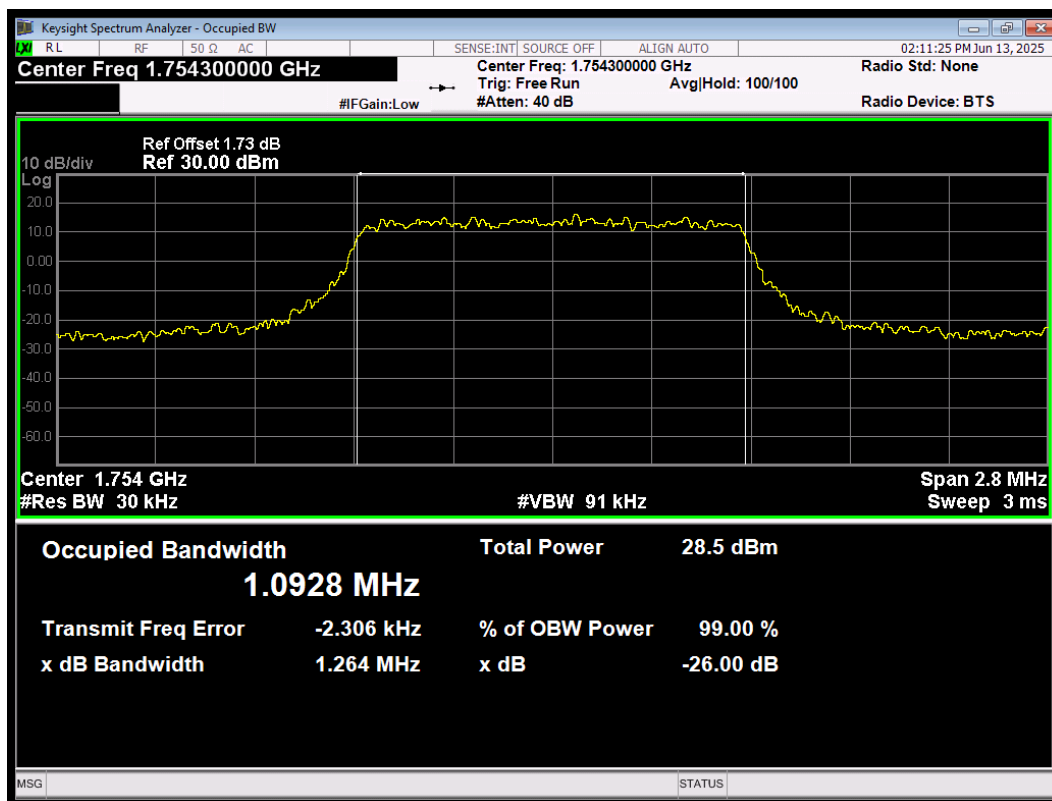
LTE Band 4 Occupied bandwidth64QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



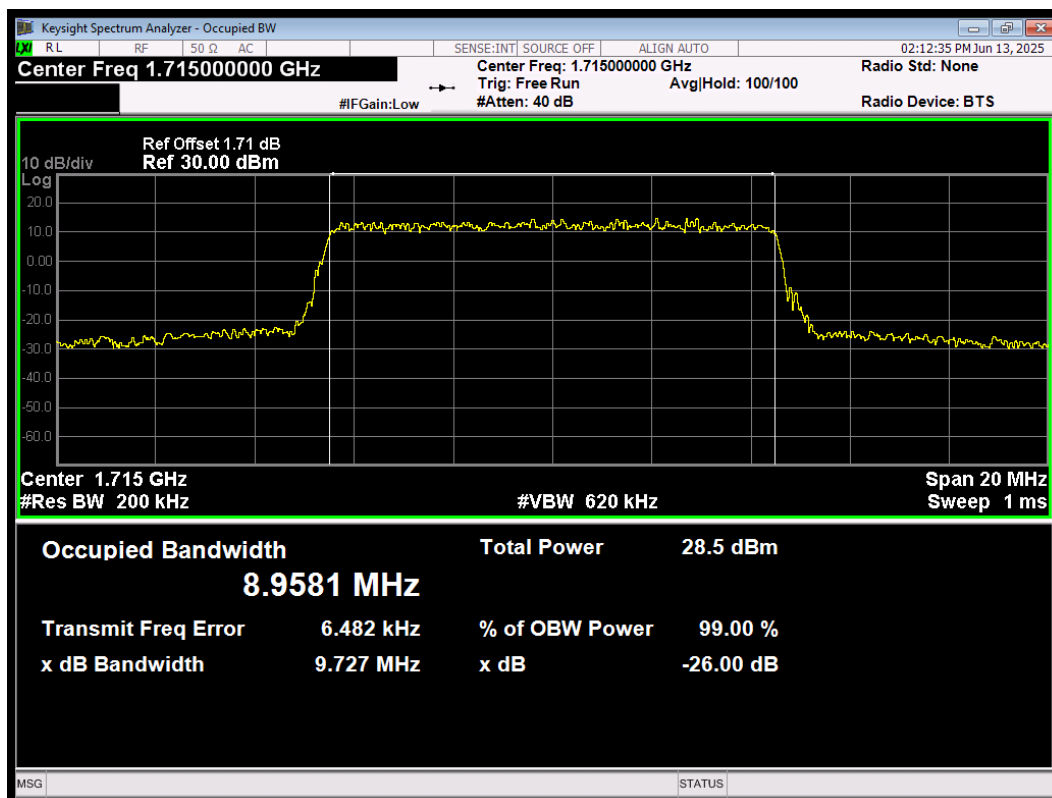
LTE Band 4 Occupied bandwidth QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



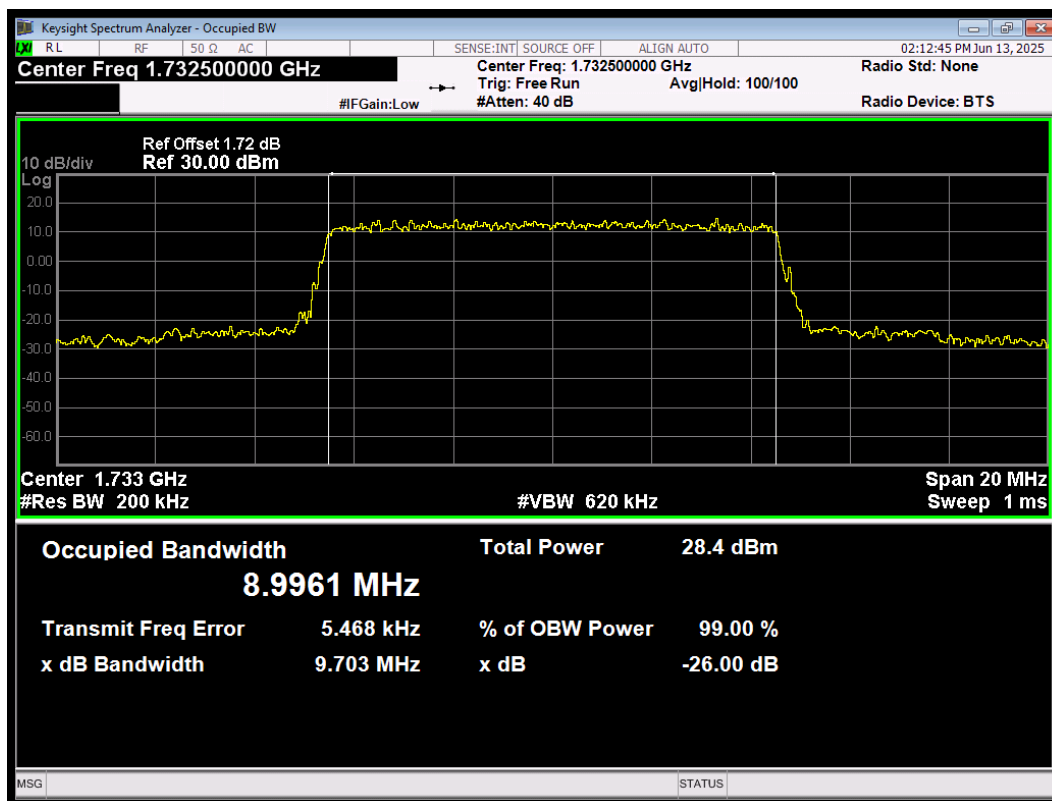
LTE Band 4 Occupied bandwidth QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



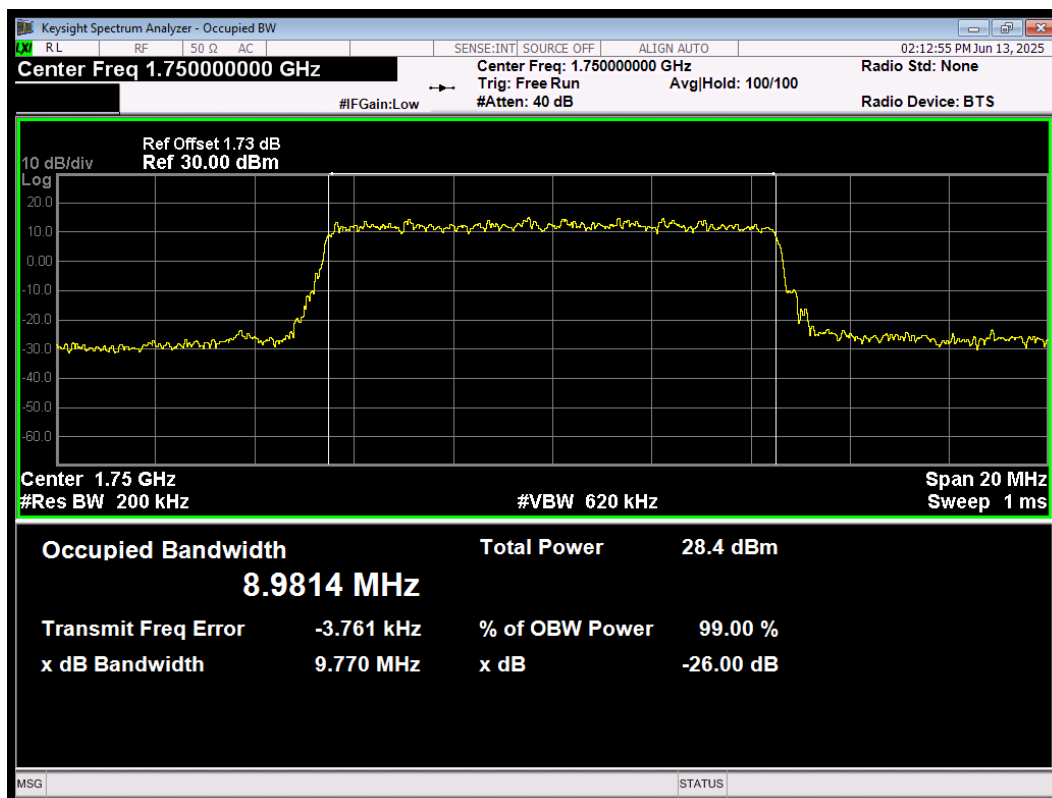
LTE Band 4 Occupied bandwidth QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



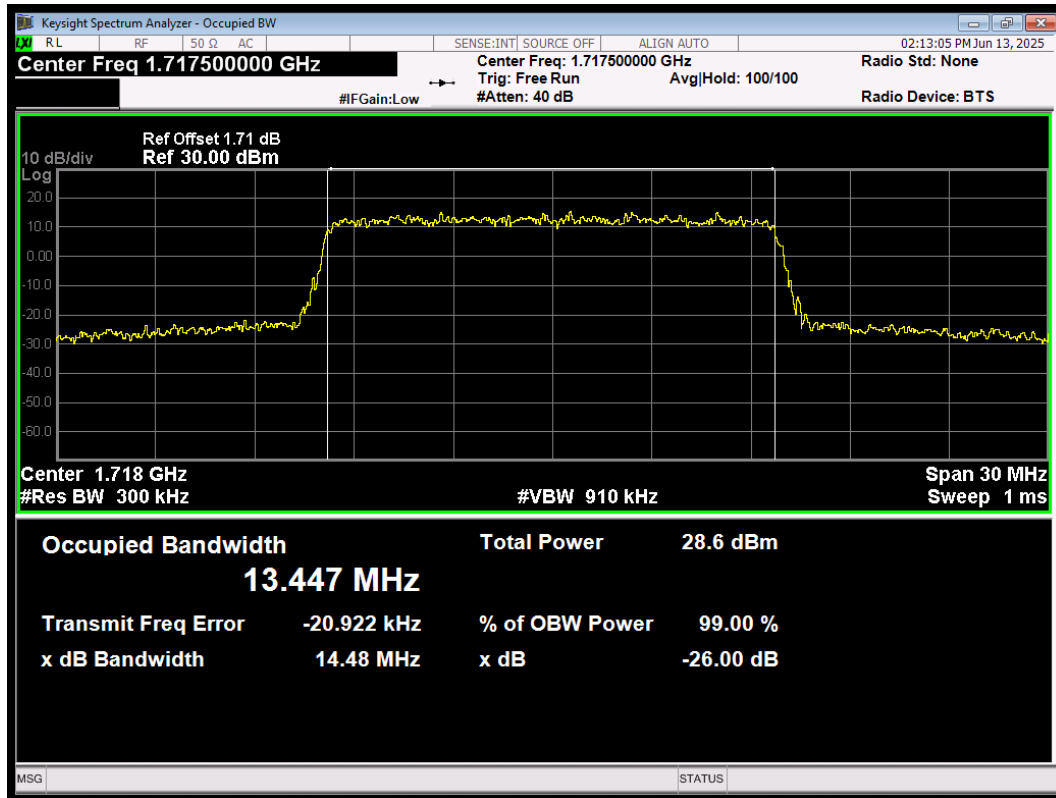
LTE Band 4 Occupied bandwidth QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



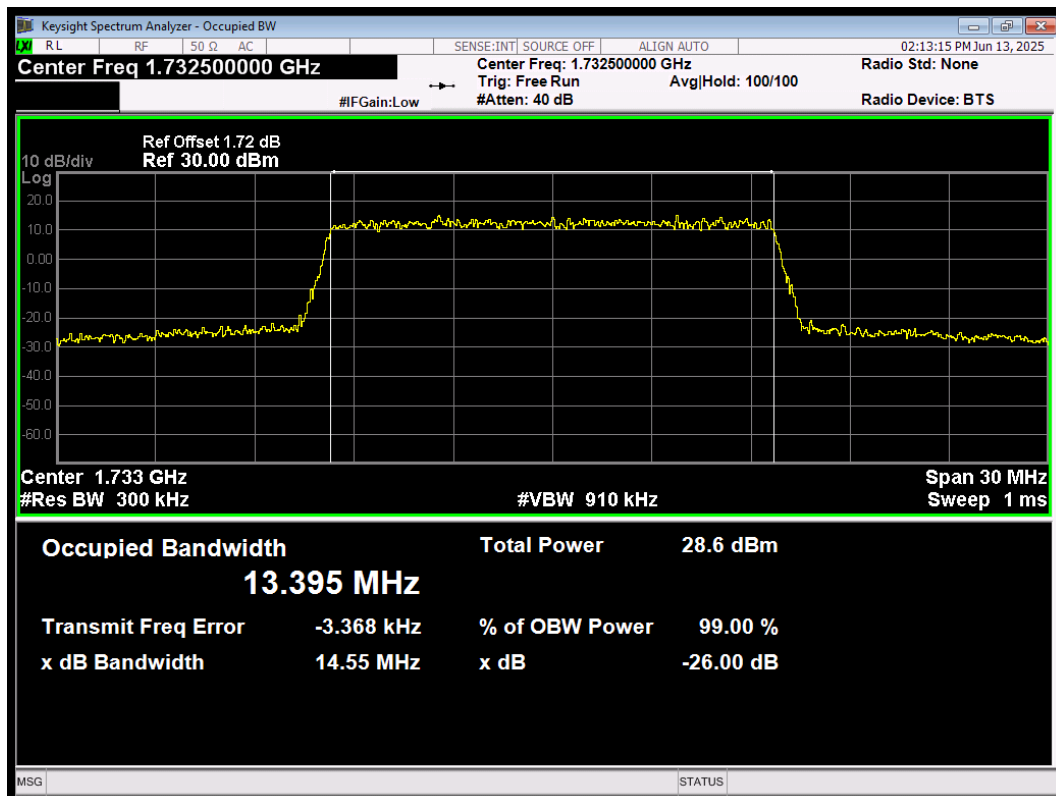
LTE Band 4 Occupied bandwidth QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



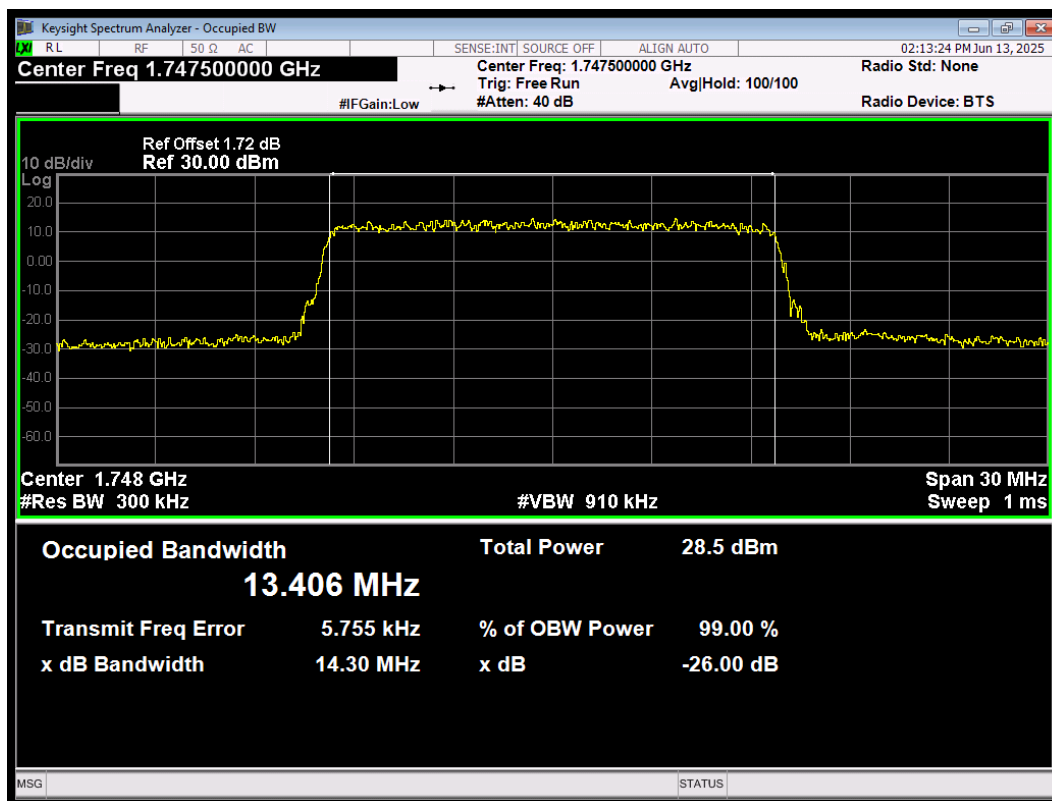
LTE Band 4 Occupied bandwidth QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



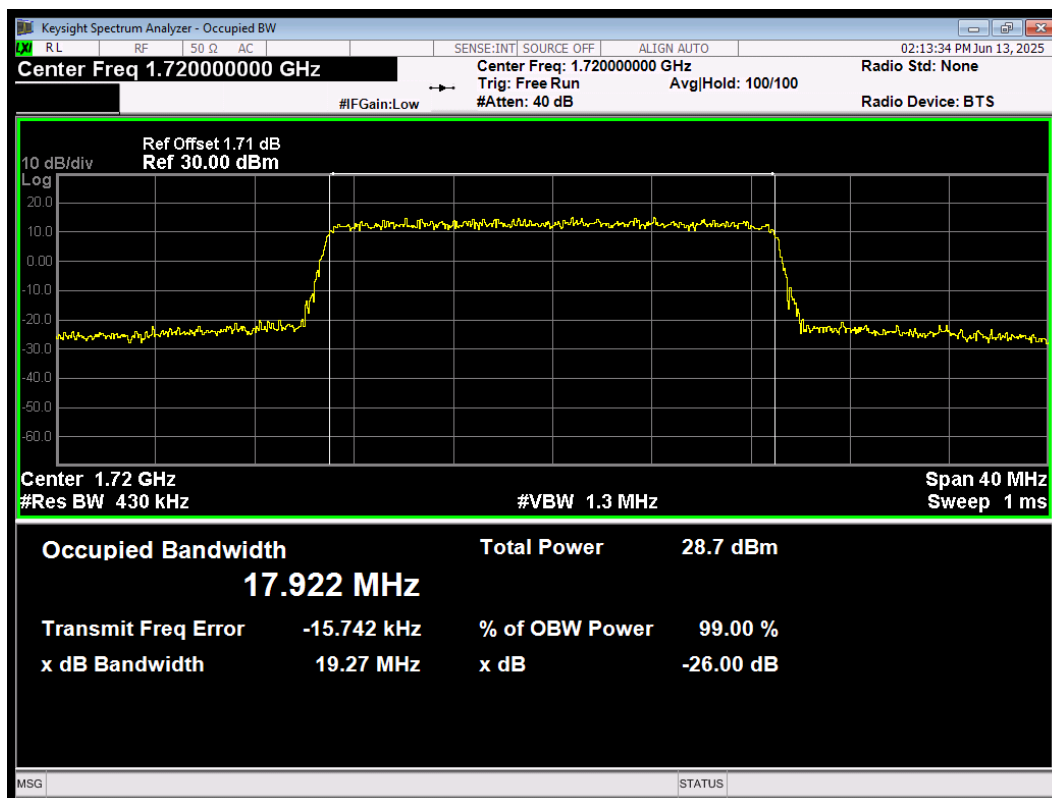
LTE Band 4 Occupied bandwidth QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



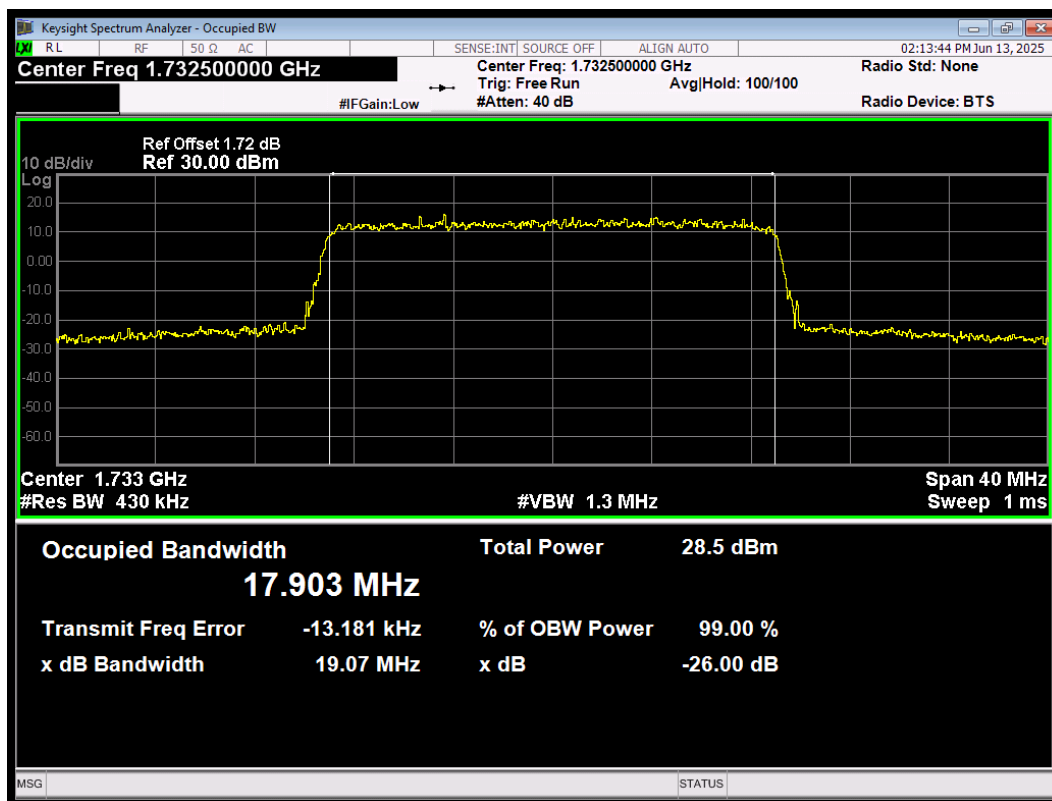
LTE Band 4 Occupied bandwidth QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



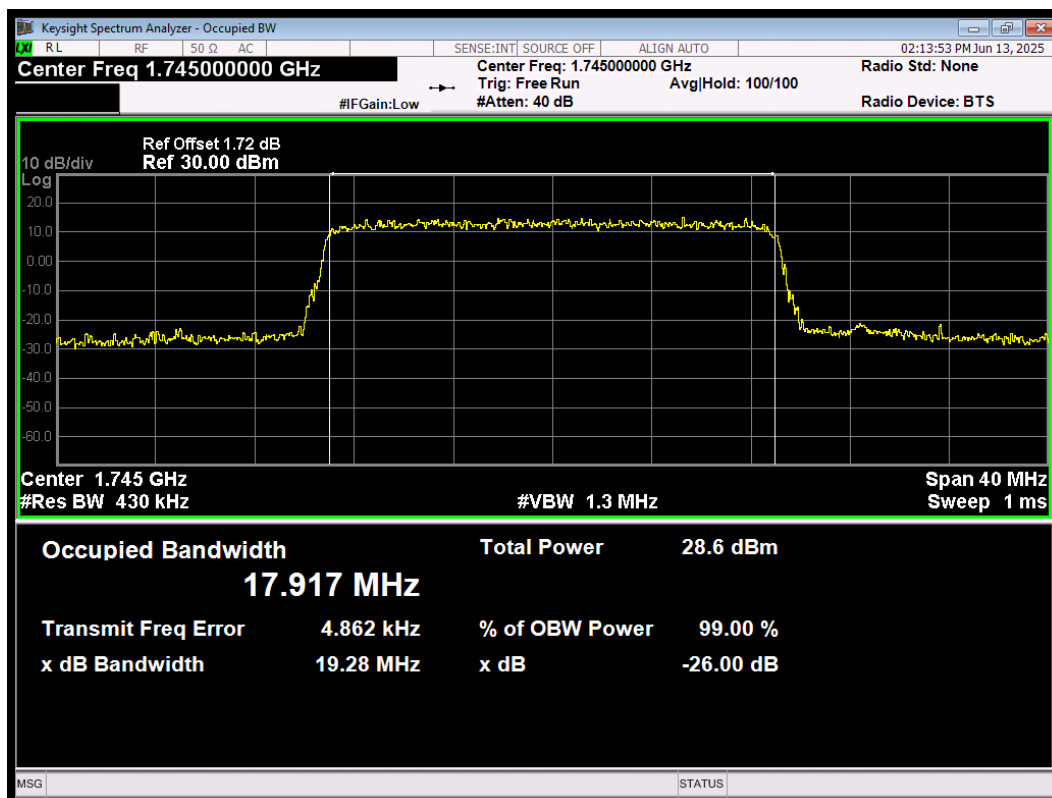
LTE Band 4 Occupied bandwidth QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



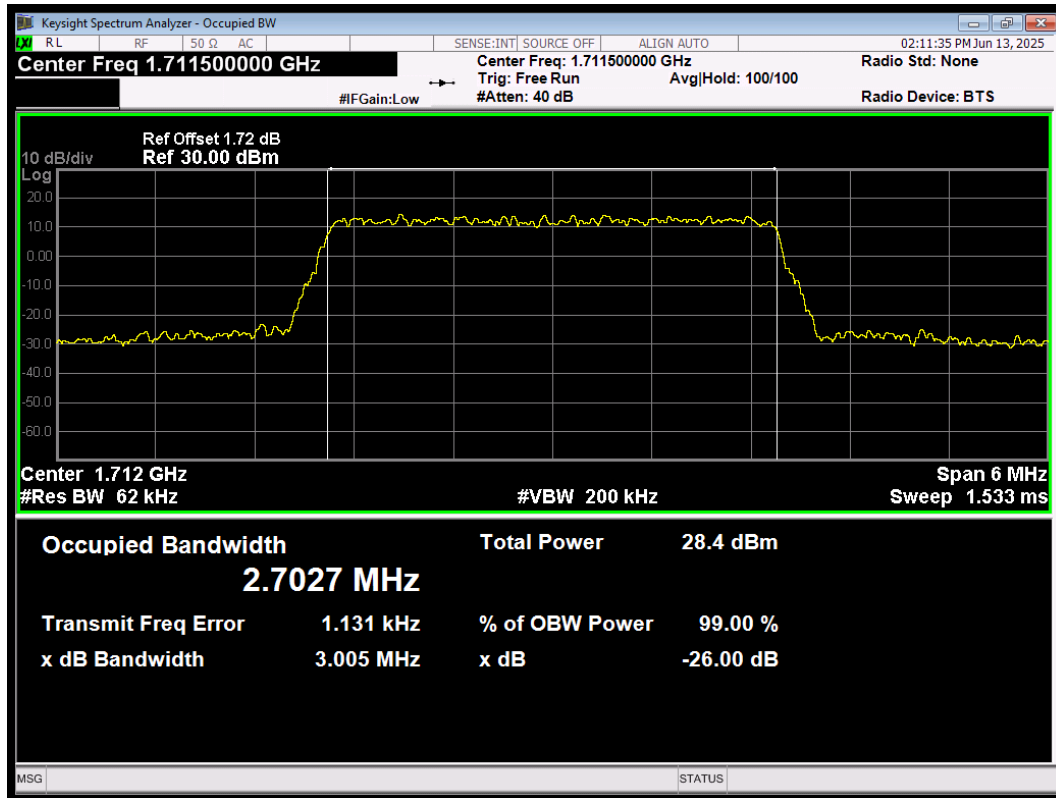
LTE Band 4 Occupied bandwidth QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



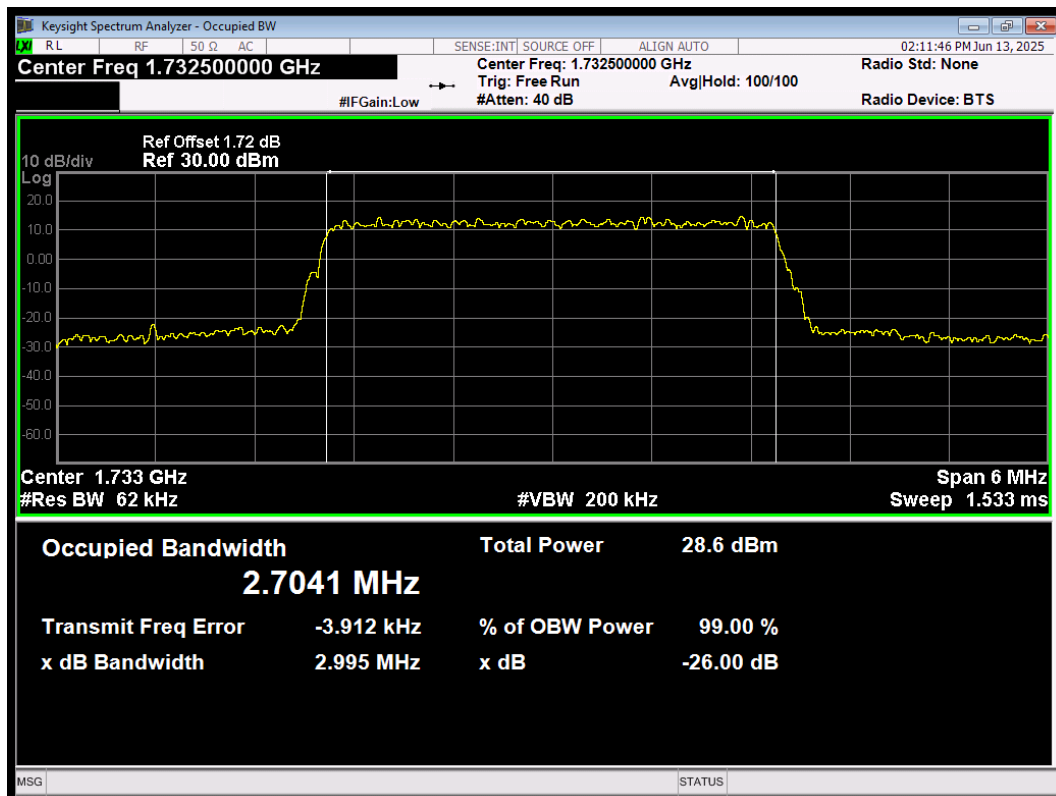
LTE Band 4 Occupied bandwidth QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



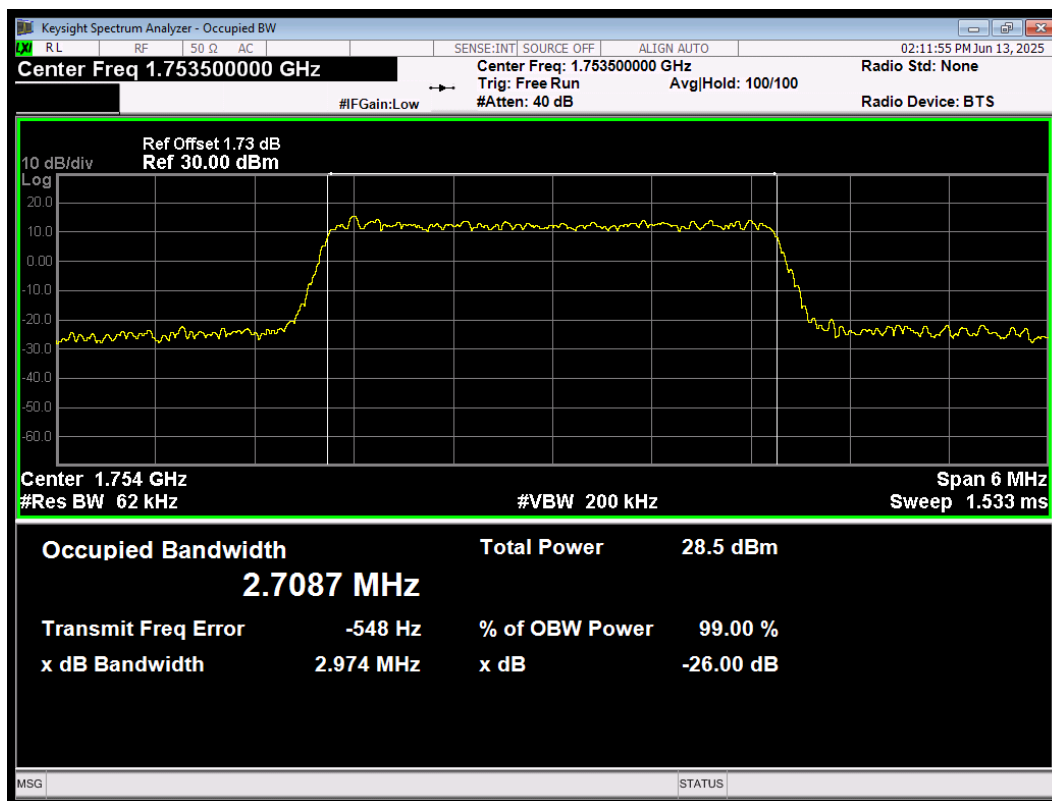
LTE Band 4 Occupied bandwidth QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



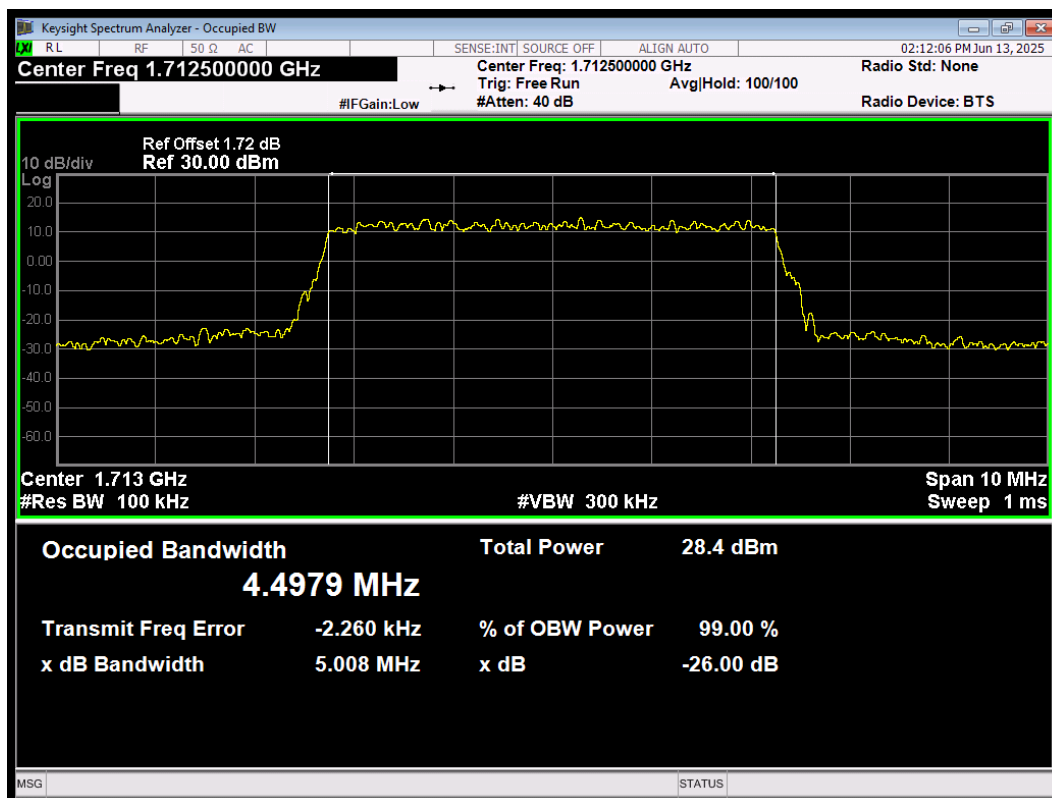
LTE Band 4 Occupied bandwidth QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



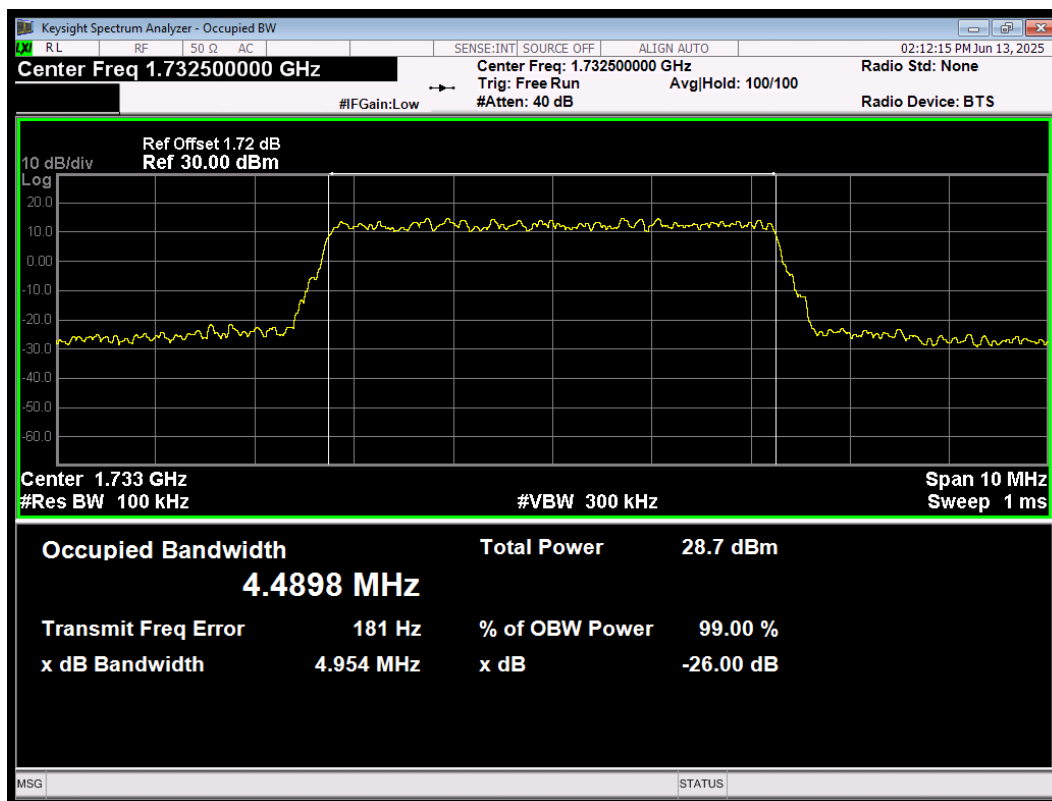
LTE Band 4 Occupied bandwidth QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



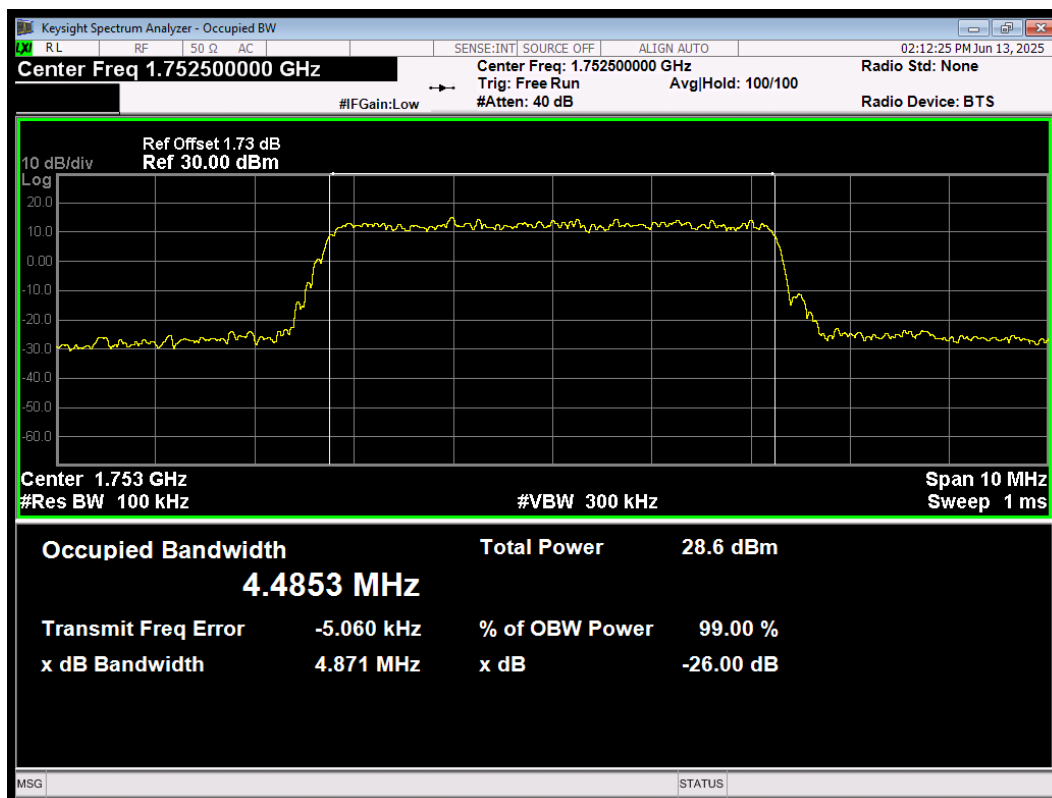
LTE Band 4 Occupied bandwidth QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



LTE Band 4 Occupied bandwidth QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



LTE Band 4 Occupied bandwidth QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



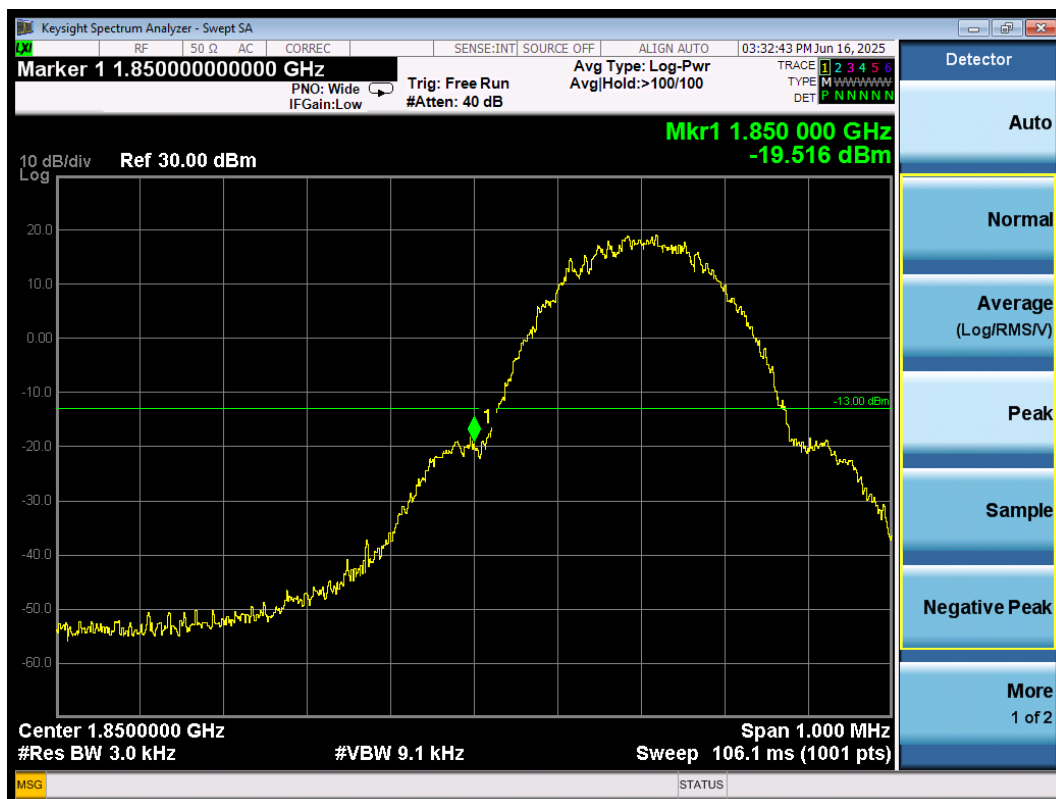
LTE Band 4 Occupied bandwidth QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

6.3 Band Edge Compliance

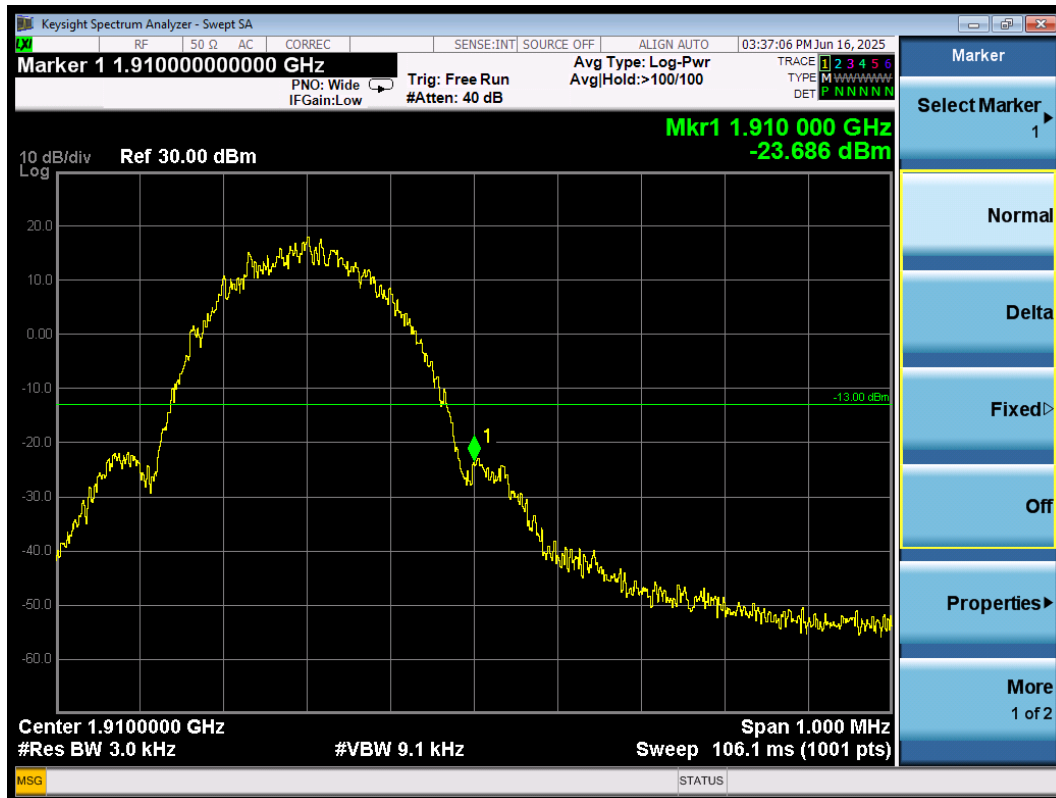
All the test traces in the plots shows the test results clearly.



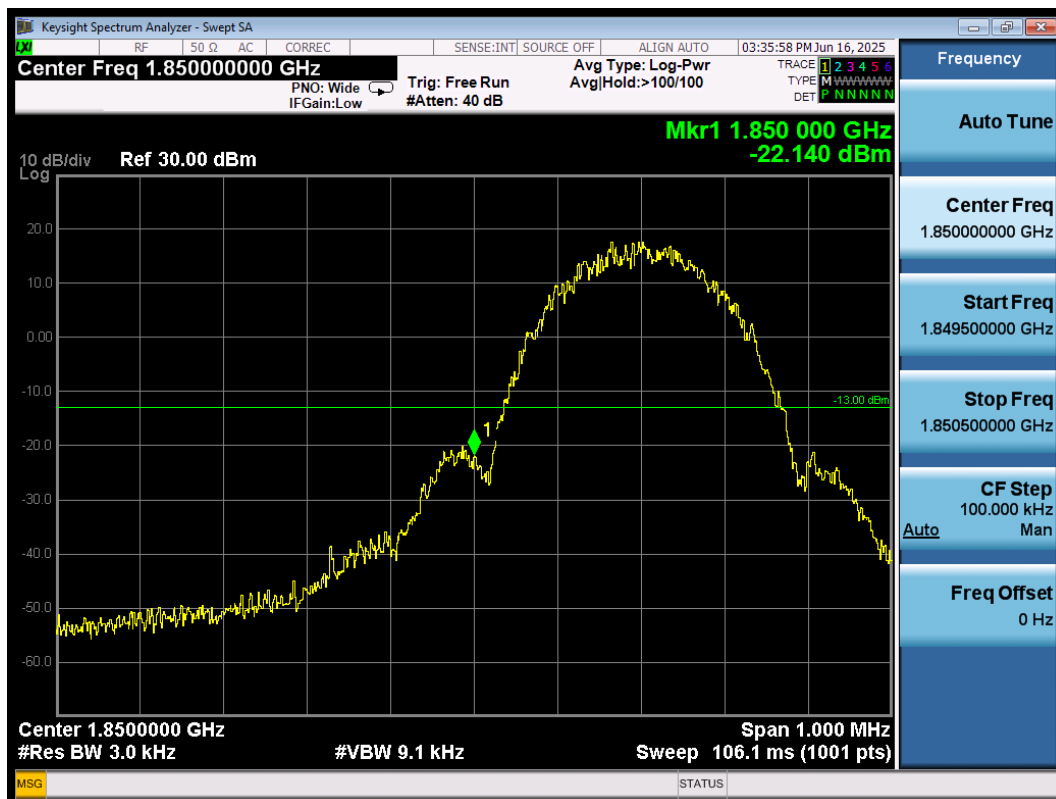
Band edge\GSM1900\GPRS\H



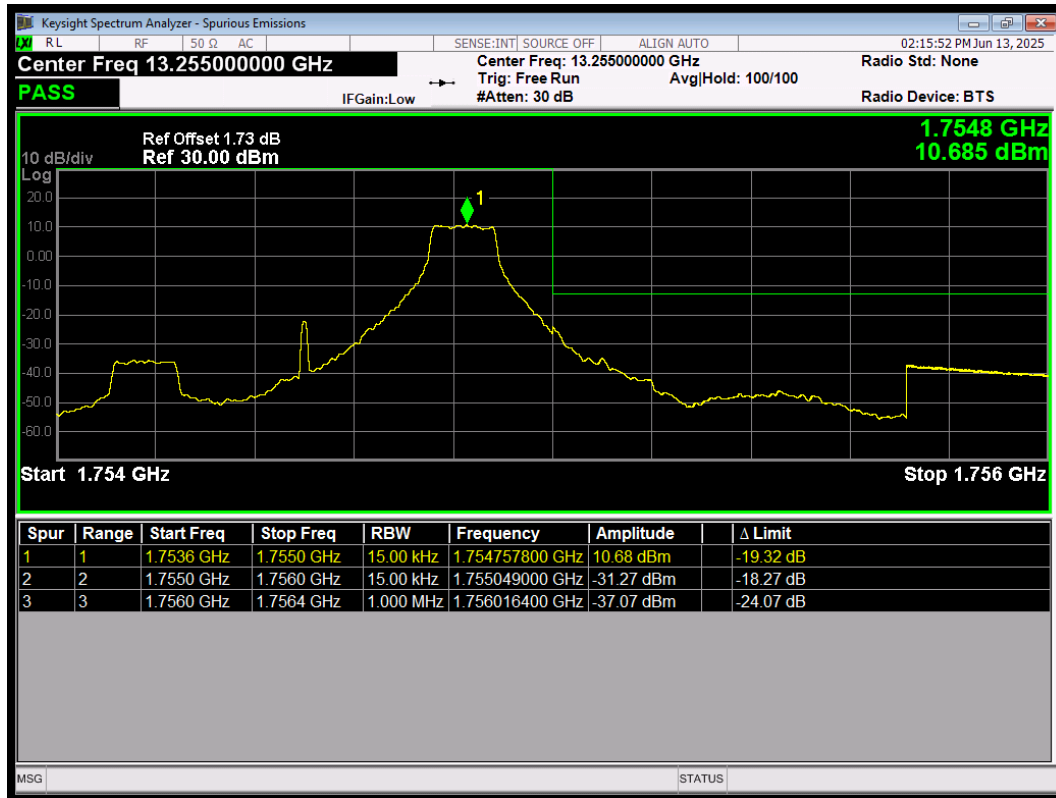
Band edge\GSM1900\GPRS\L



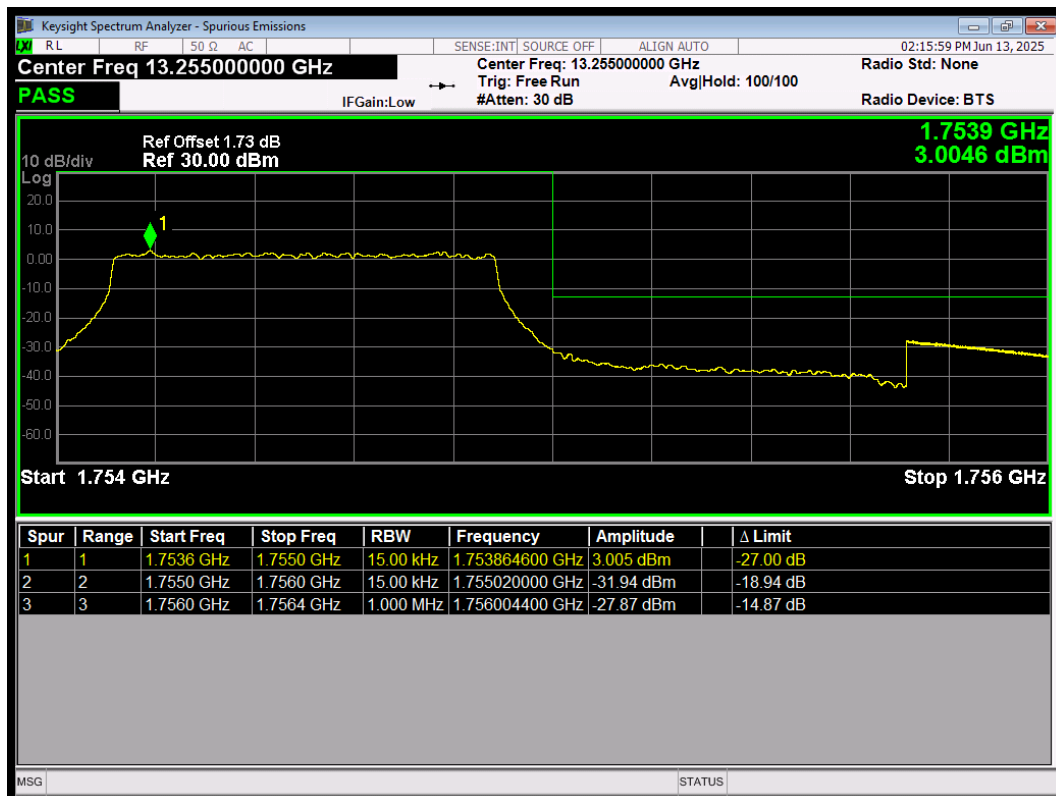
Band edge\GSM1900\EGPRS\H



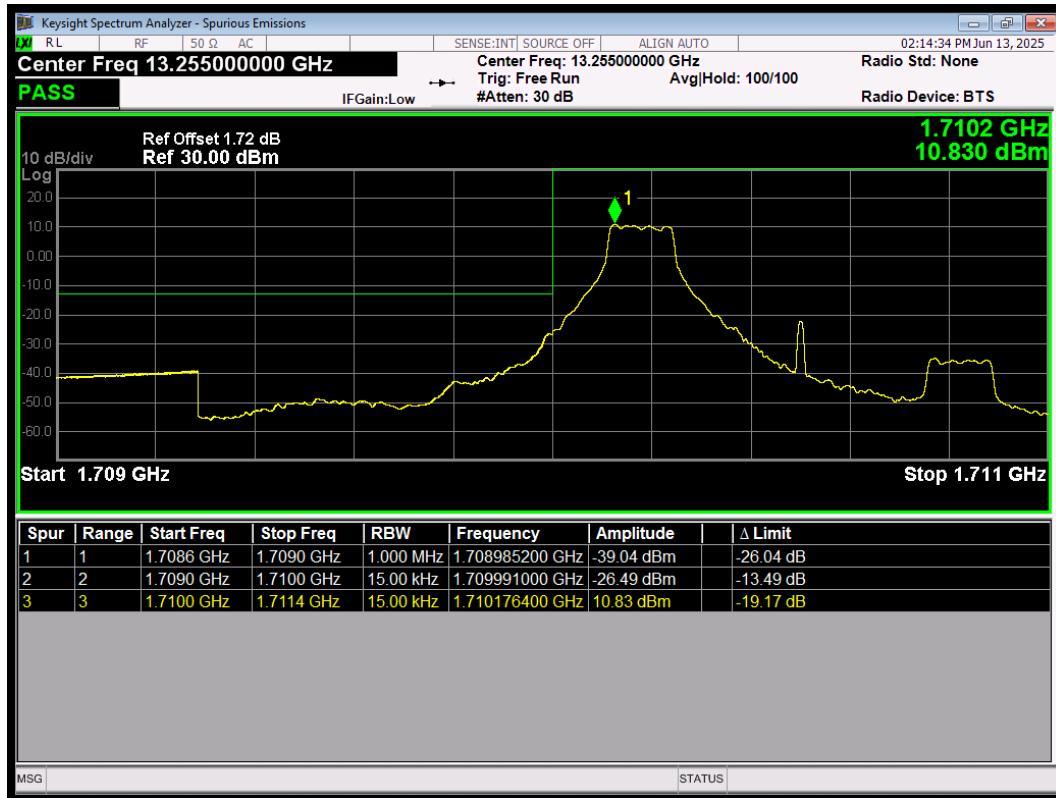
Band edge\GSM1900\EGPRS\L



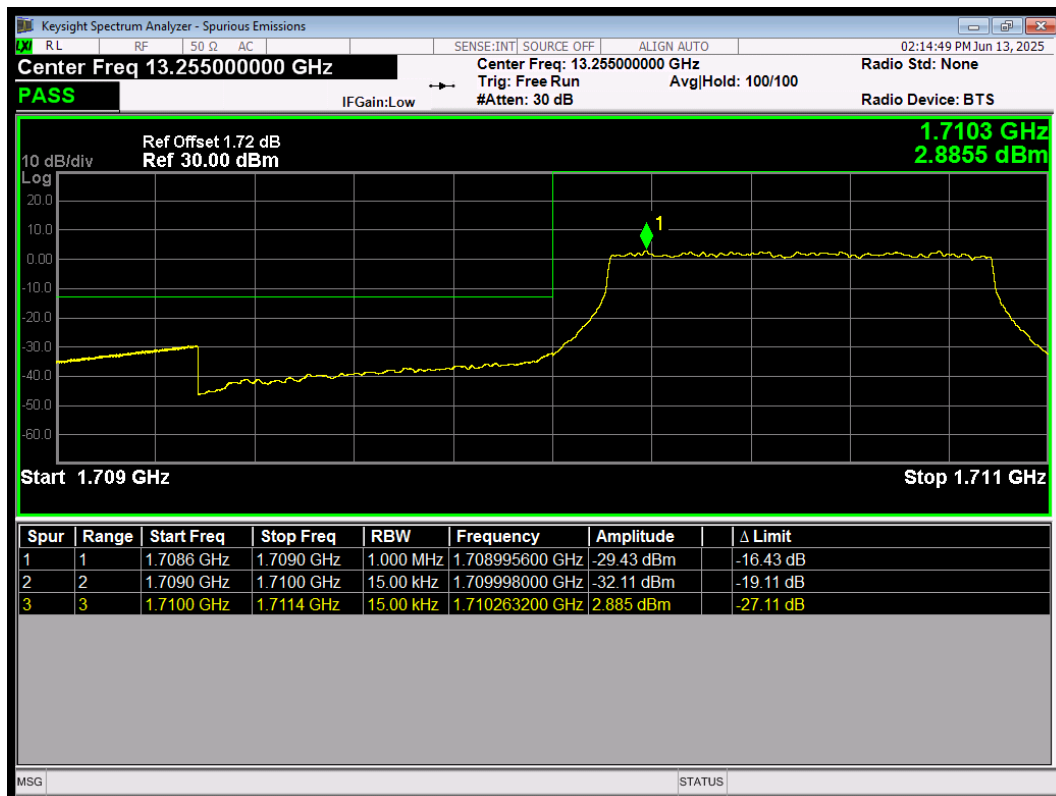
LTE Band 4 Band edge 16QAM BW=1.4MHz High Channel=20393 RB Size=1 Position=#Max



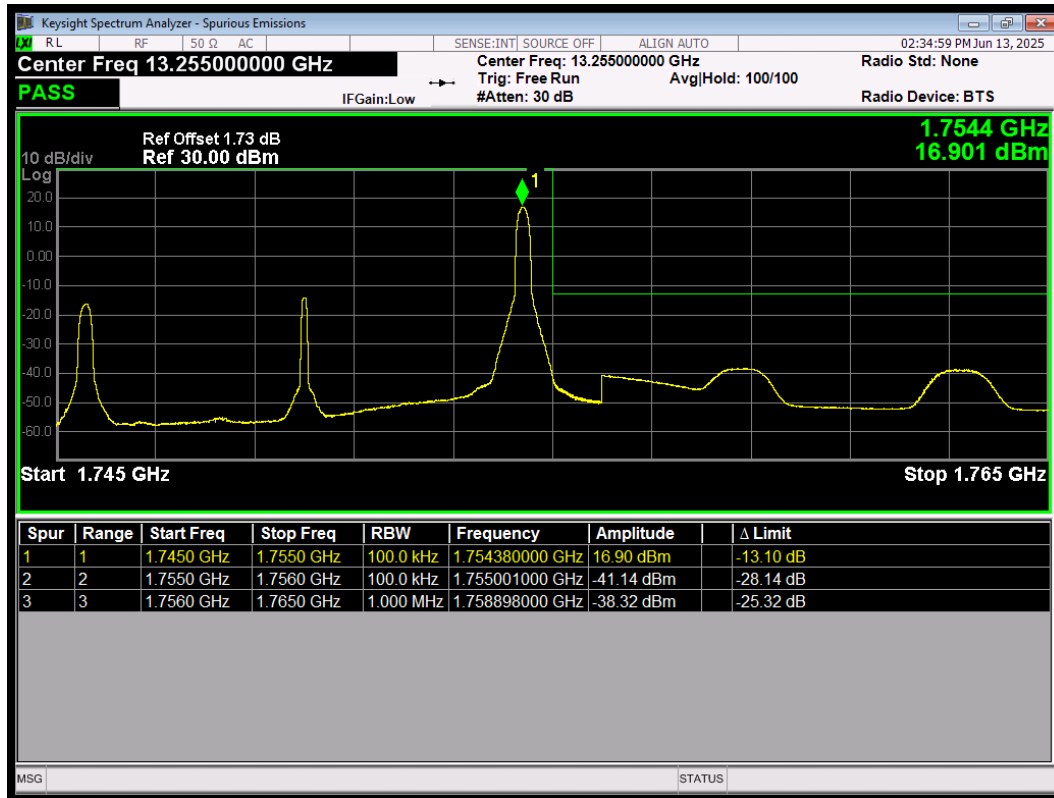
LTE Band 4 Band edge 16QAM BW=1.4MHz High Channel=20393 RB Size=6 Position=#0



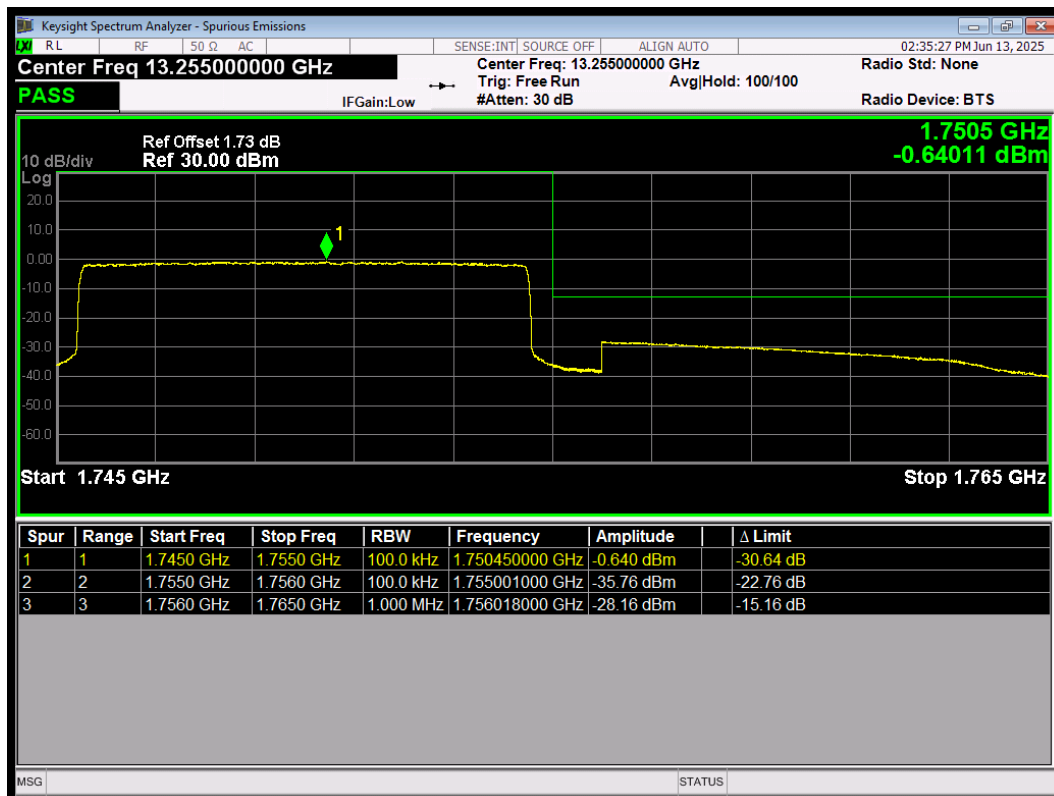
LTE Band 4 Band edge 16QAM BW=1.4MHz Low Channel=19957 RB Size=1 Position=#0



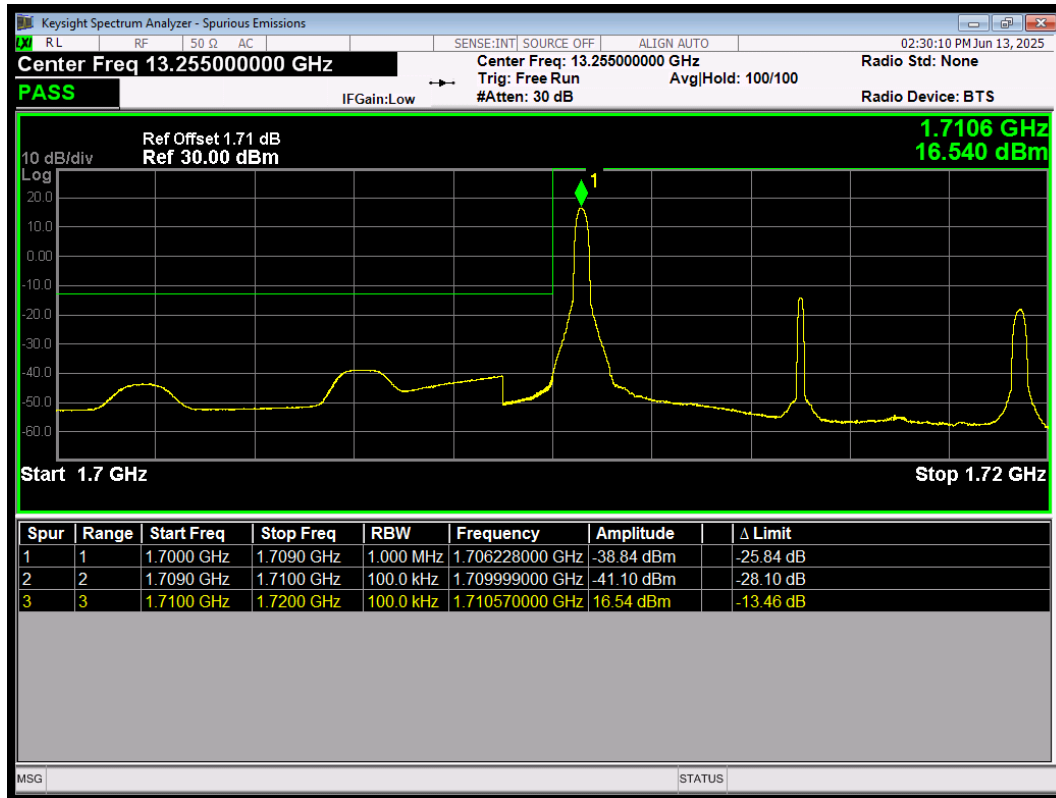
LTE Band 4 Band edge 16QAM BW=1.4MHz Low Channel=19957 RB Size=6 Position=#0



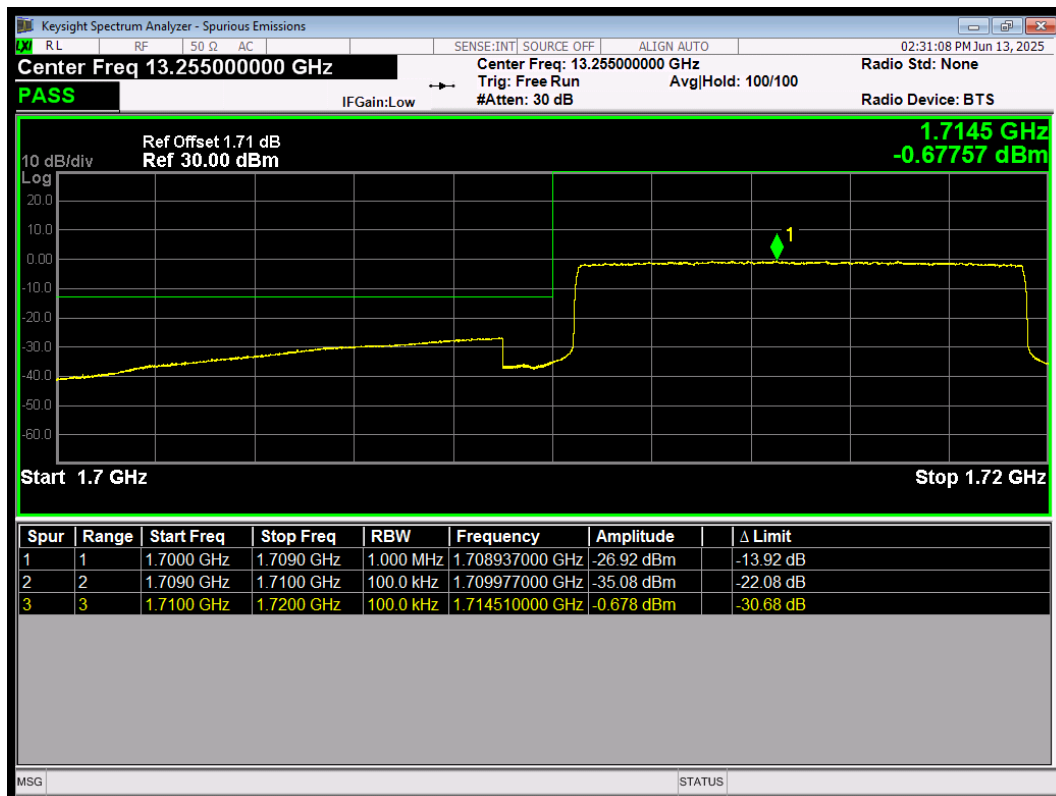
LTE Band 4 Band edge 16QAM BW=10MHz High Channel=20350 RB Size=1 Position=#Max



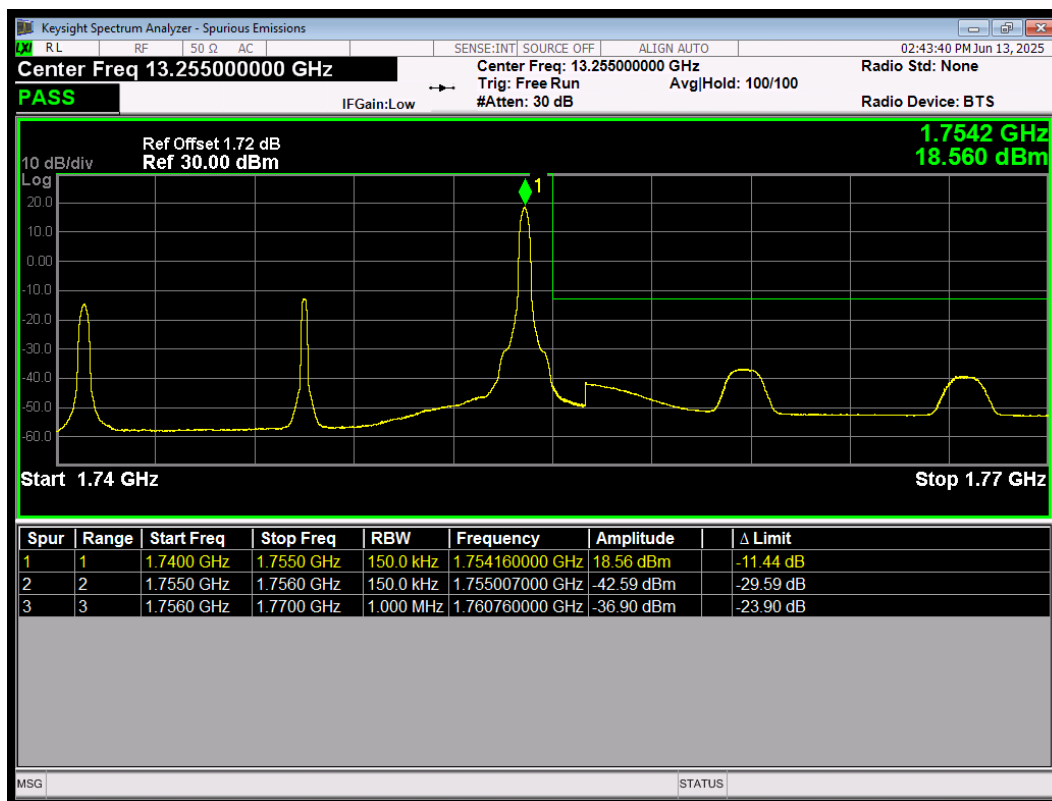
LTE Band 4 Band edge 16QAM BW=10MHz High Channel=20350 RB Size=50 Position=#0



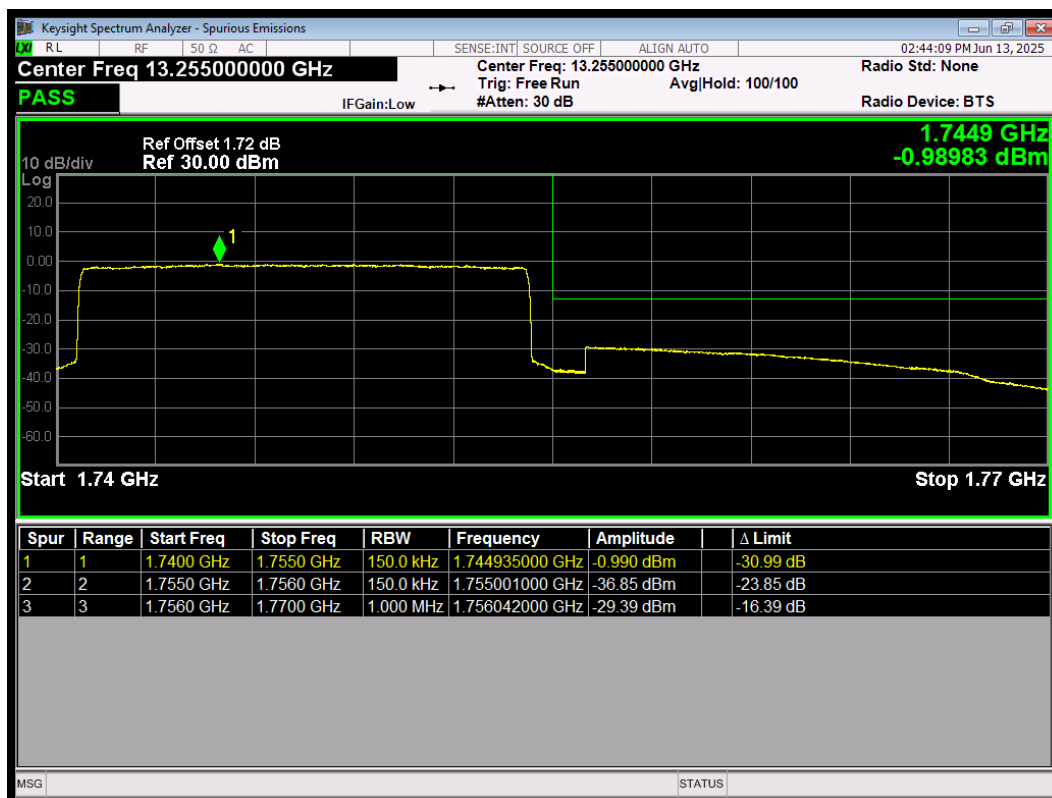
LTE Band 4 Band edge 16QAM BW=10MHz Low Channel=20000 RB Size=1 Position=#0



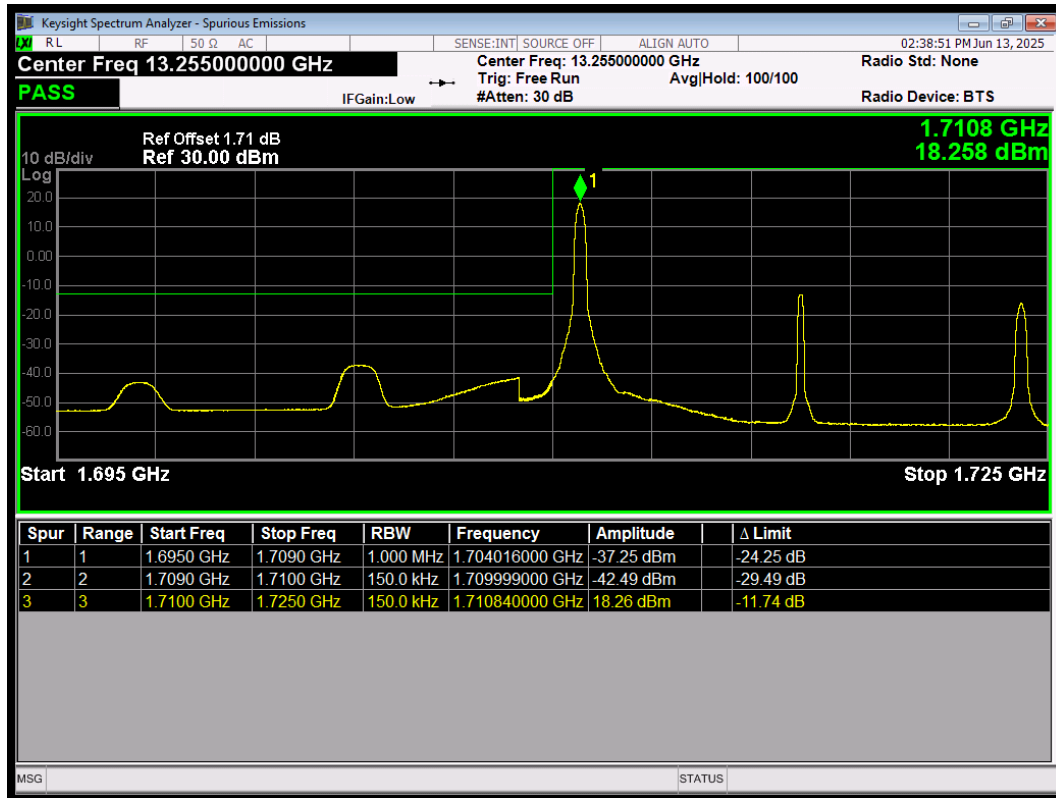
LTE Band 4 Band edge 16QAM BW=10MHz Low Channel=20000 RB Size=50 Position=#0



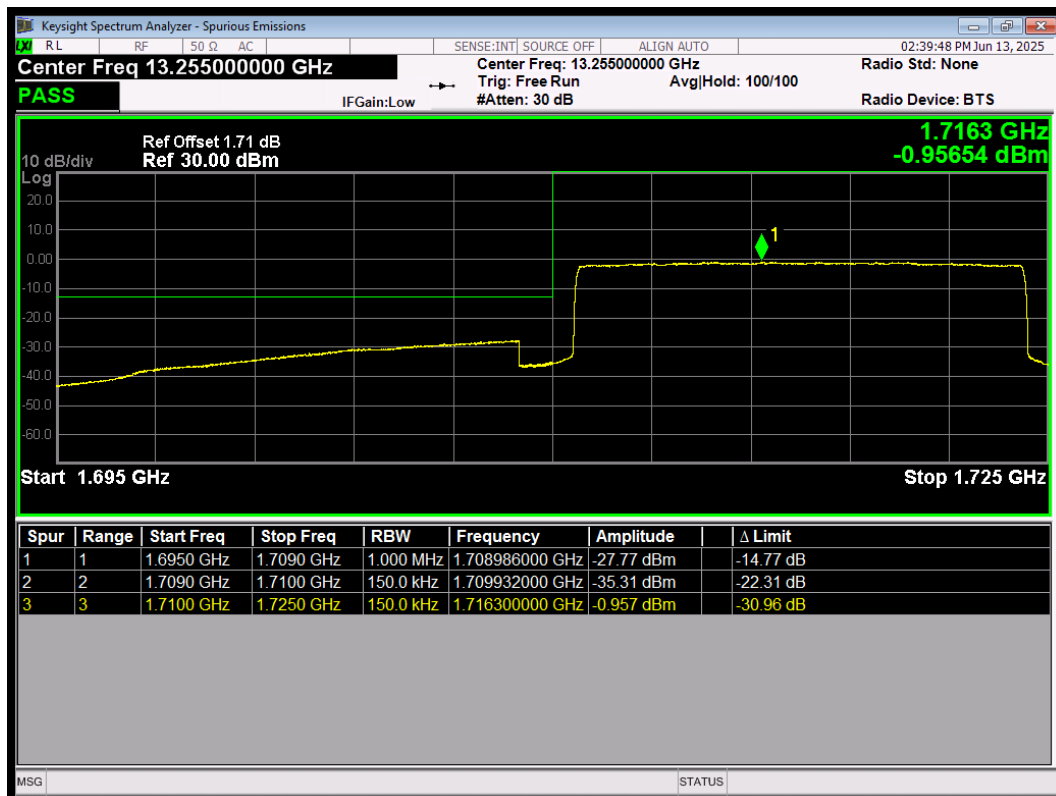
LTE Band 4 Band edge 16QAM BW=15MHz High Channel=20325 RB Size=1 Position=#Max



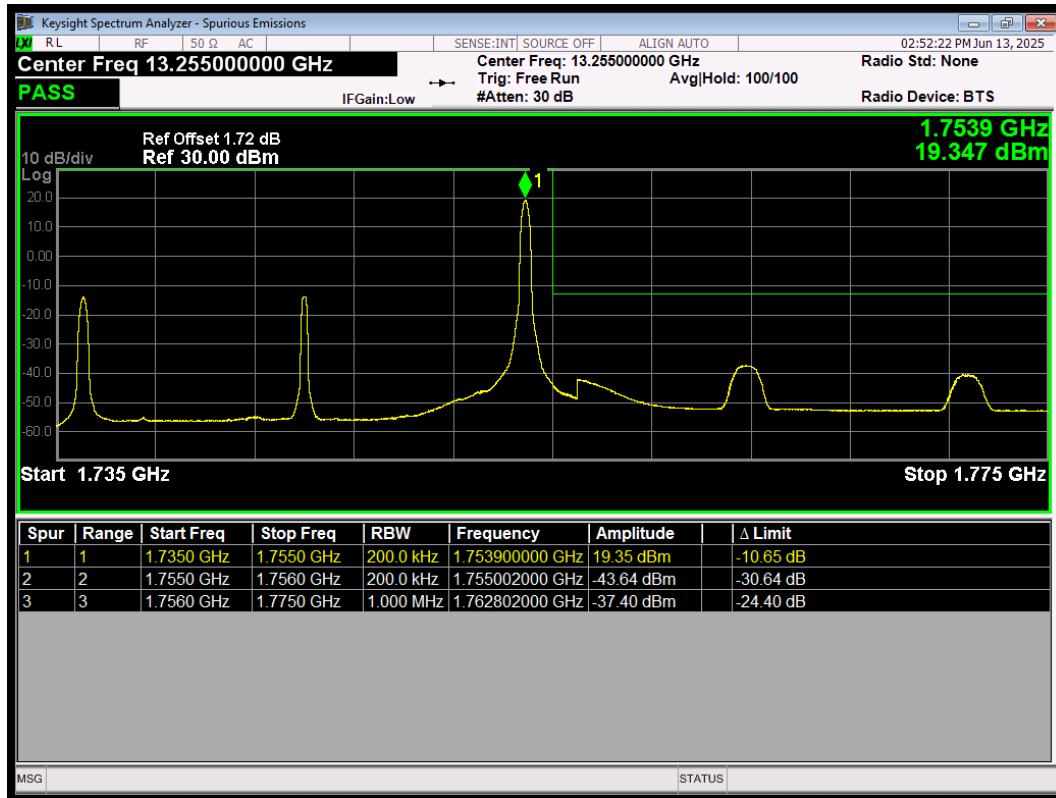
LTE Band 4 Band edge 16QAM BW=15MHz High Channel=20325 RB Size=75 Position=#0



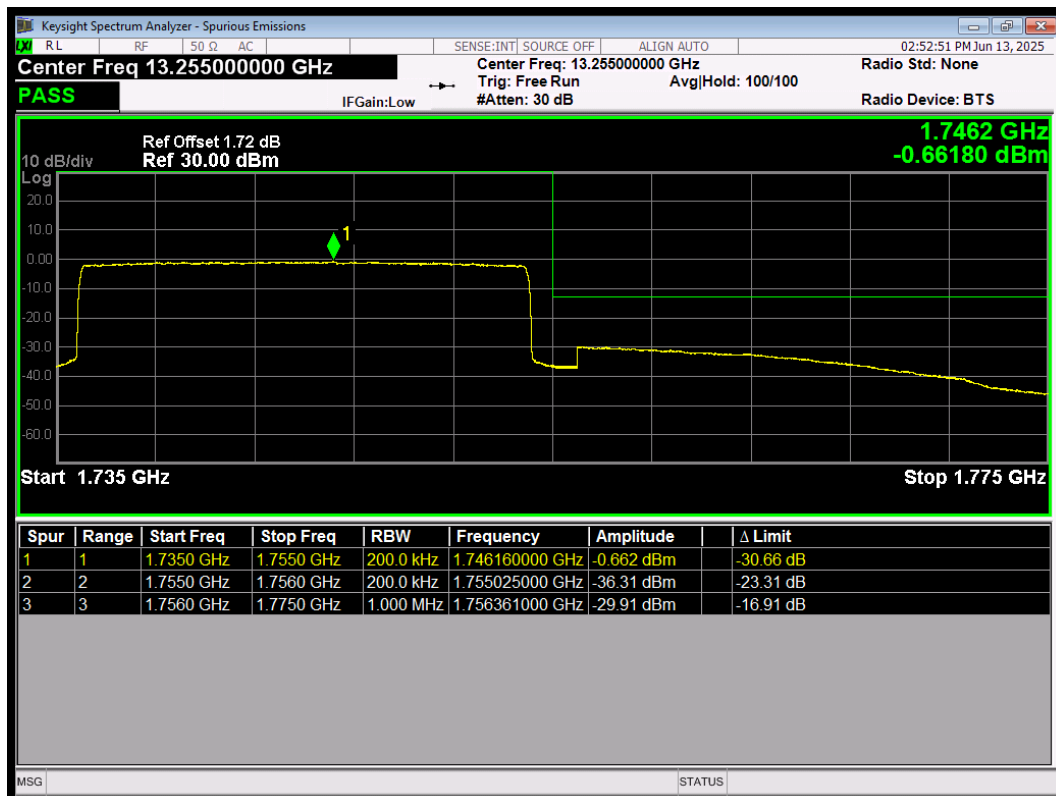
LTE Band 4 Band edge 16QAM BW=15MHz Low Channel=20025 RB Size=1 Position=#0



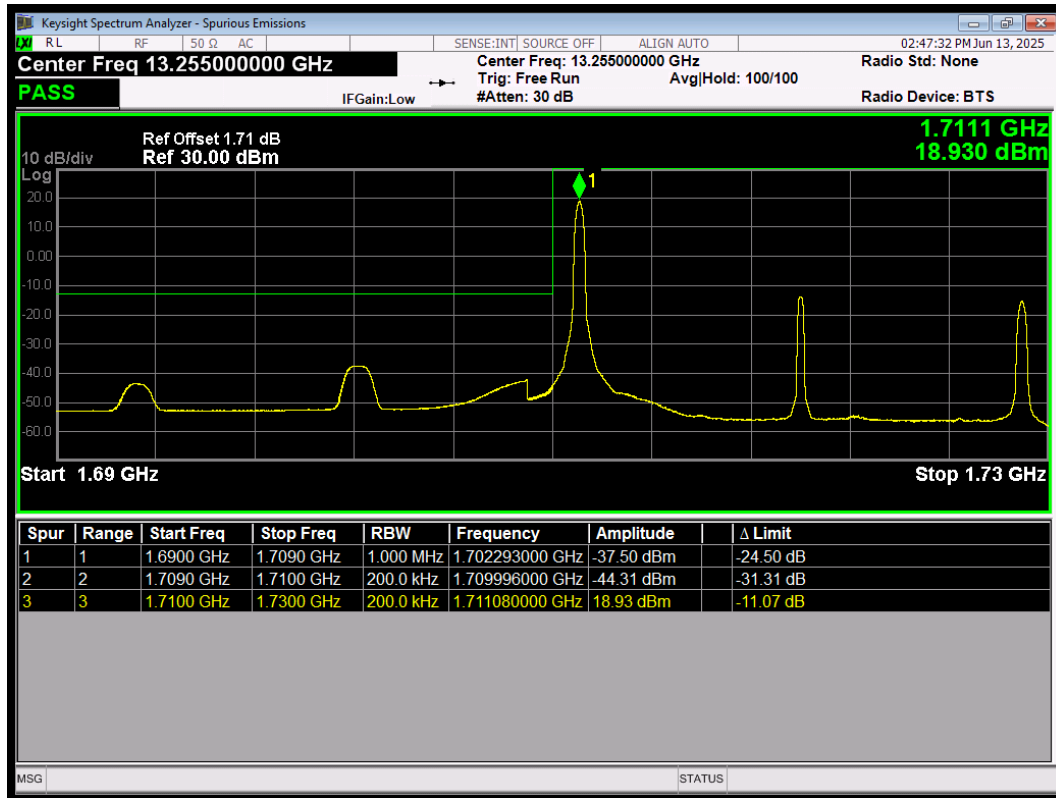
LTE Band 4 Band edge 16QAM BW=15MHz Low Channel=20025 RB Size=75 Position=#0



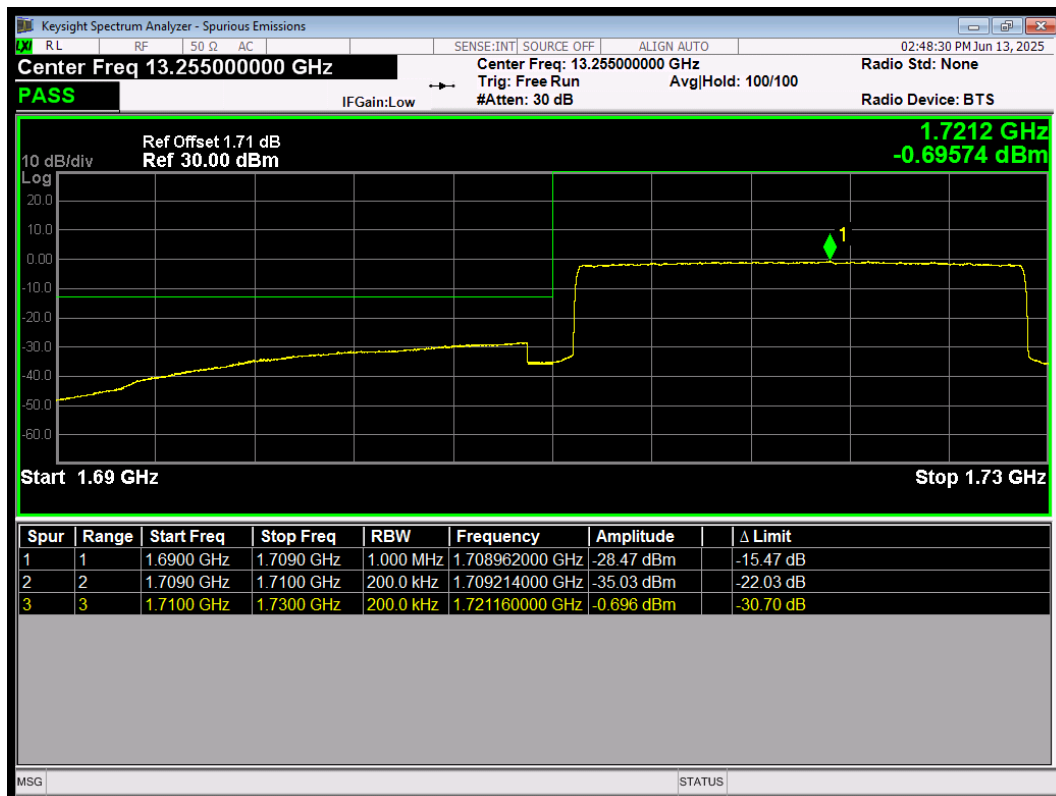
LTE Band 4 Band edge 16QAM BW=20MHz High Channel=20300 RB Size=1 Position=#Max



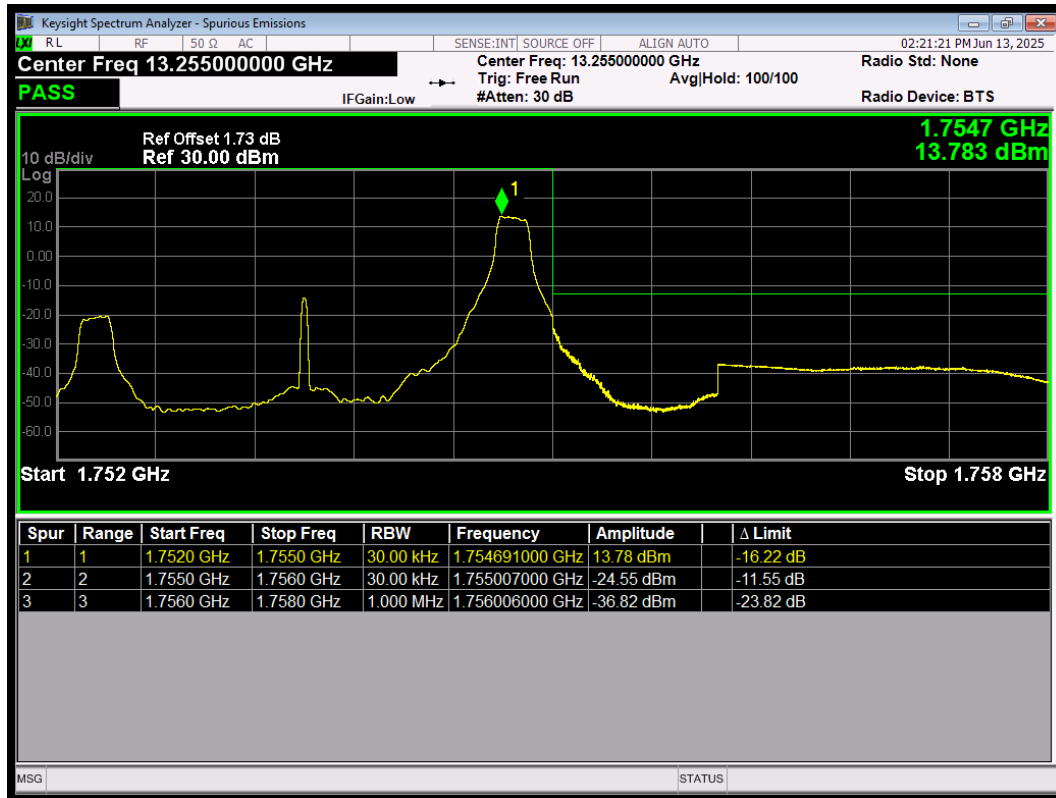
LTE Band 4 Band edge 16QAM BW=20MHz High Channel=20300 RB Size=100 Position=#0



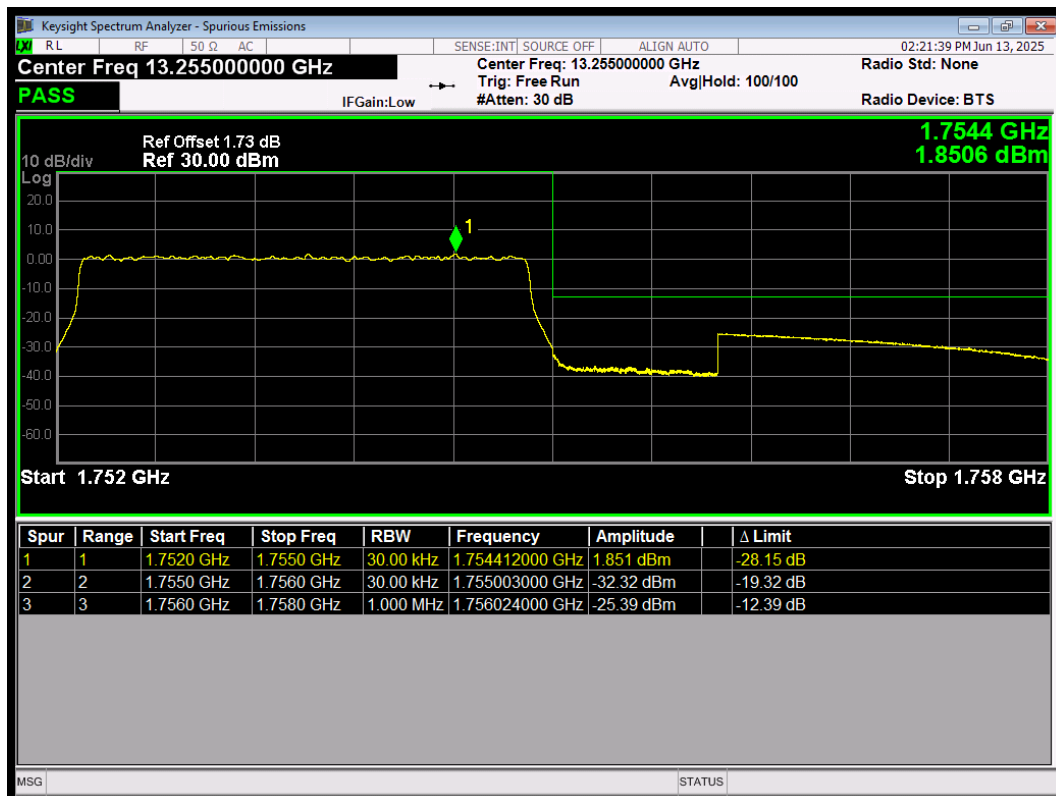
LTE Band 4 Band edge 16QAM BW=20MHz Low Channel=20050 RB Size=1 Position=#0



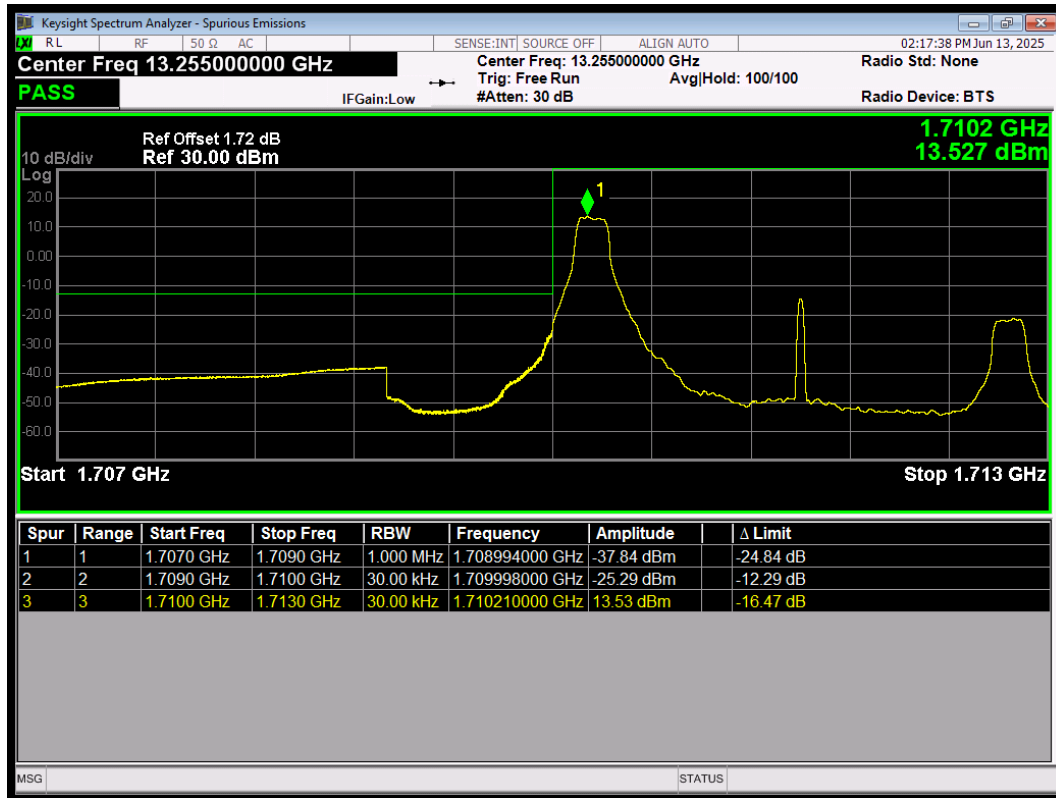
LTE Band 4 Band edge 16QAM BW=20MHz Low Channel=20050 RB Size=100 Position=#0



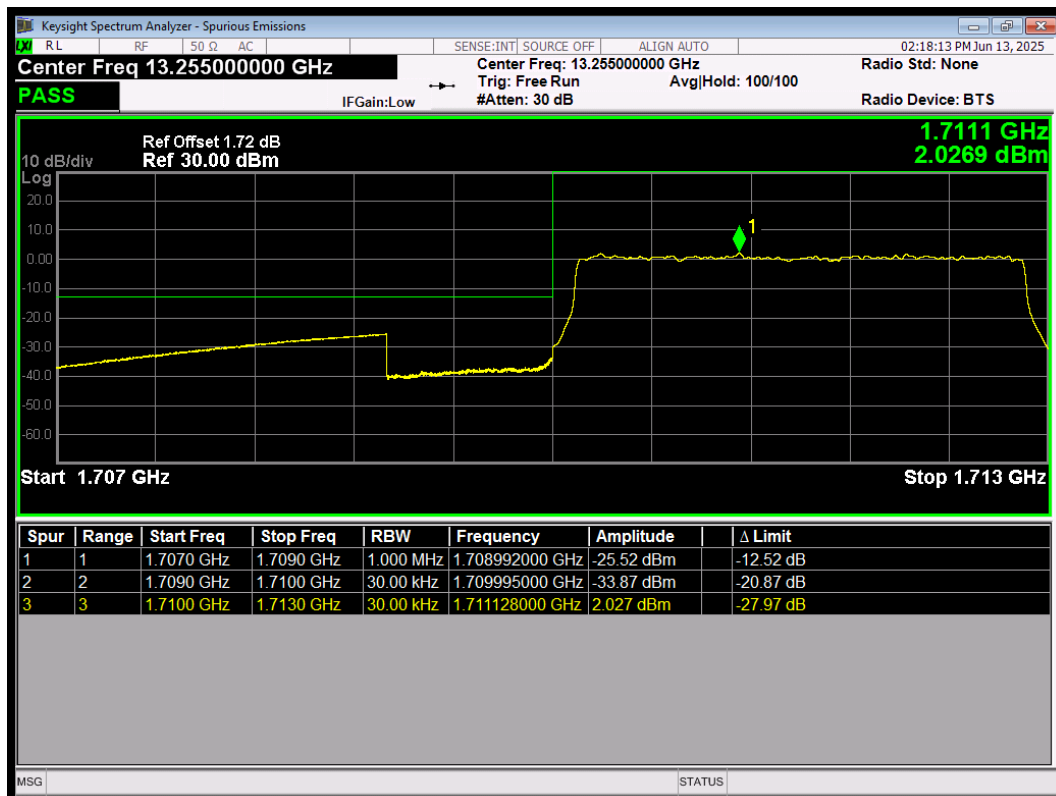
LTE Band 4 Band edge 16QAM BW=3MHz High Channel=20385 RB Size=1 Position=#Max



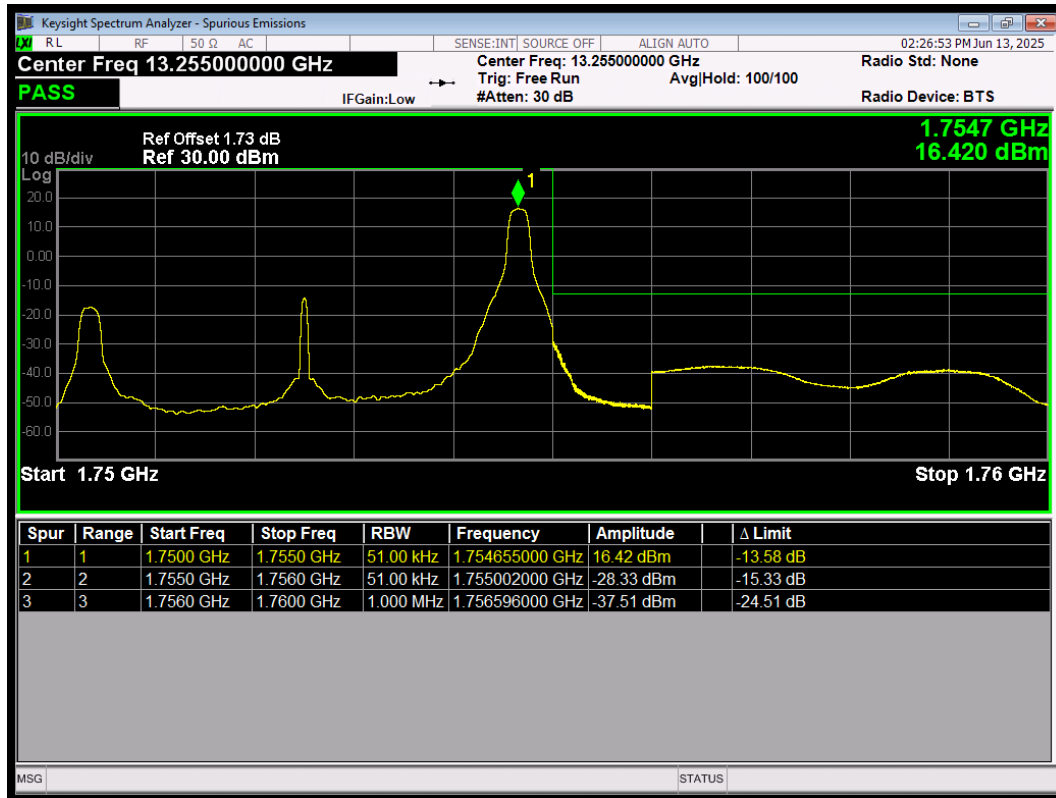
LTE Band 4 Band edge 16QAM BW=3MHz High Channel=20385 RB Size=15 Position=#0



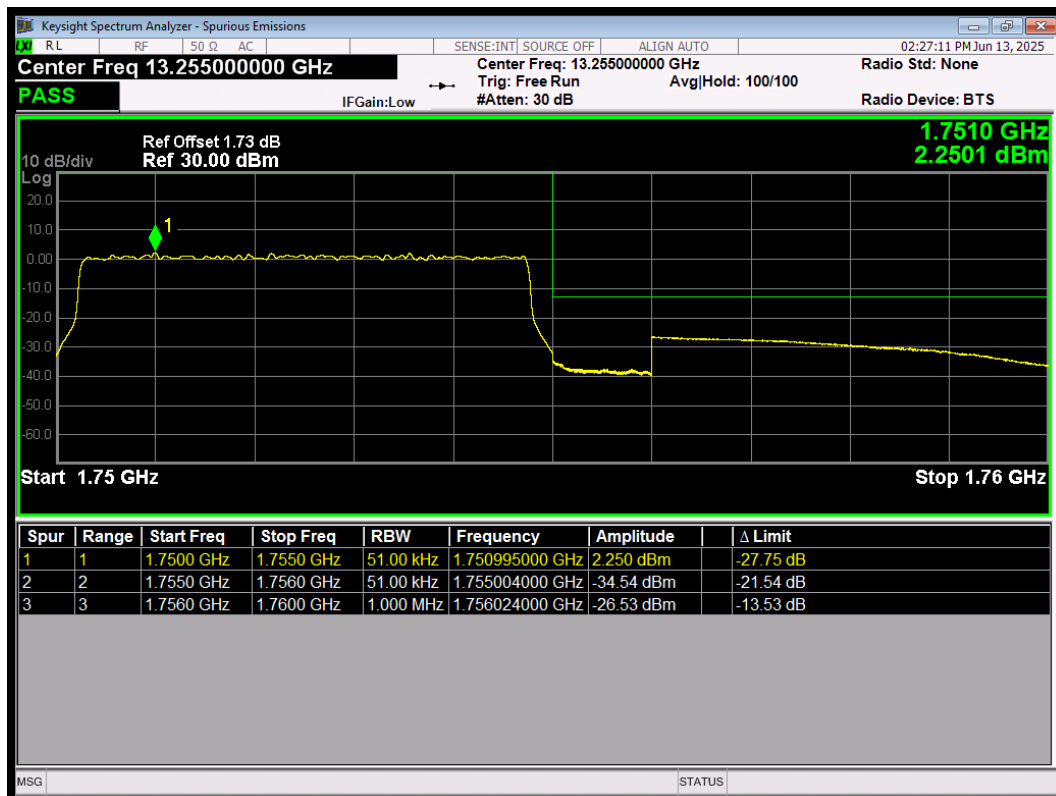
LTE Band 4 Band edge 16QAM BW=3MHz Low Channel=19965 RB Size=1 Position=#0



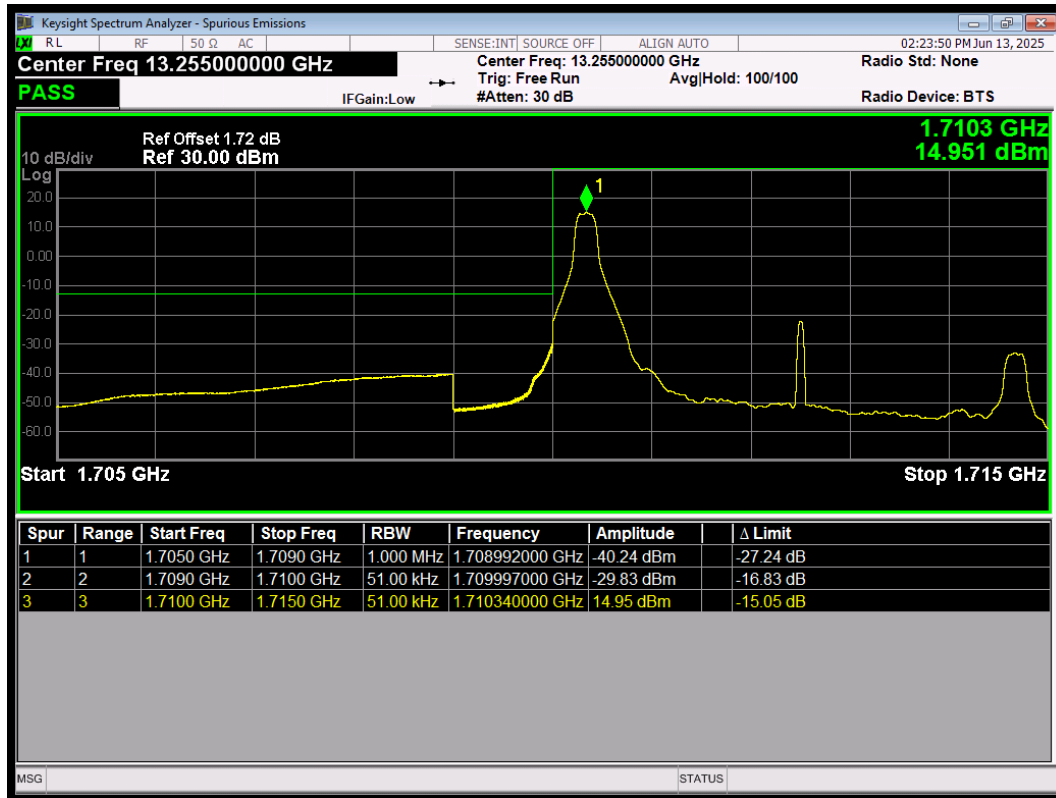
LTE Band 4 Band edge 16QAM BW=3MHz Low Channel=19965 RB Size=15 Position=#0



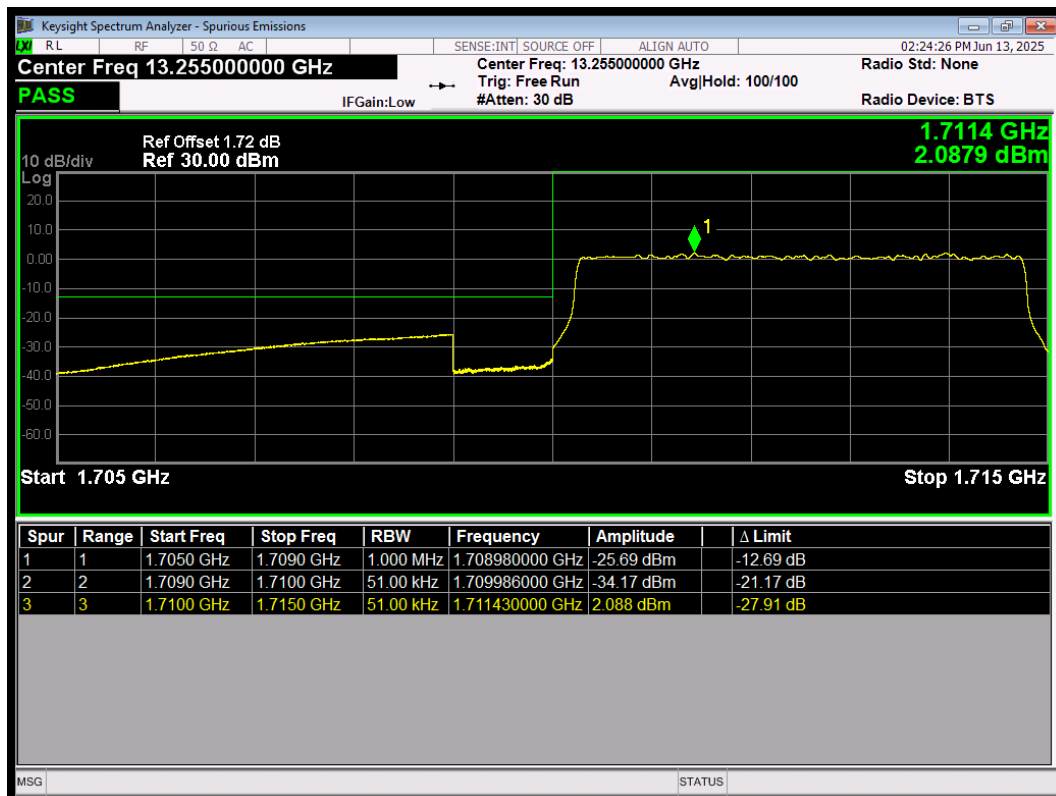
LTE Band 4 Band edge 16QAM BW=5MHz High Channel=20375 RB Size=1 Position=#Max



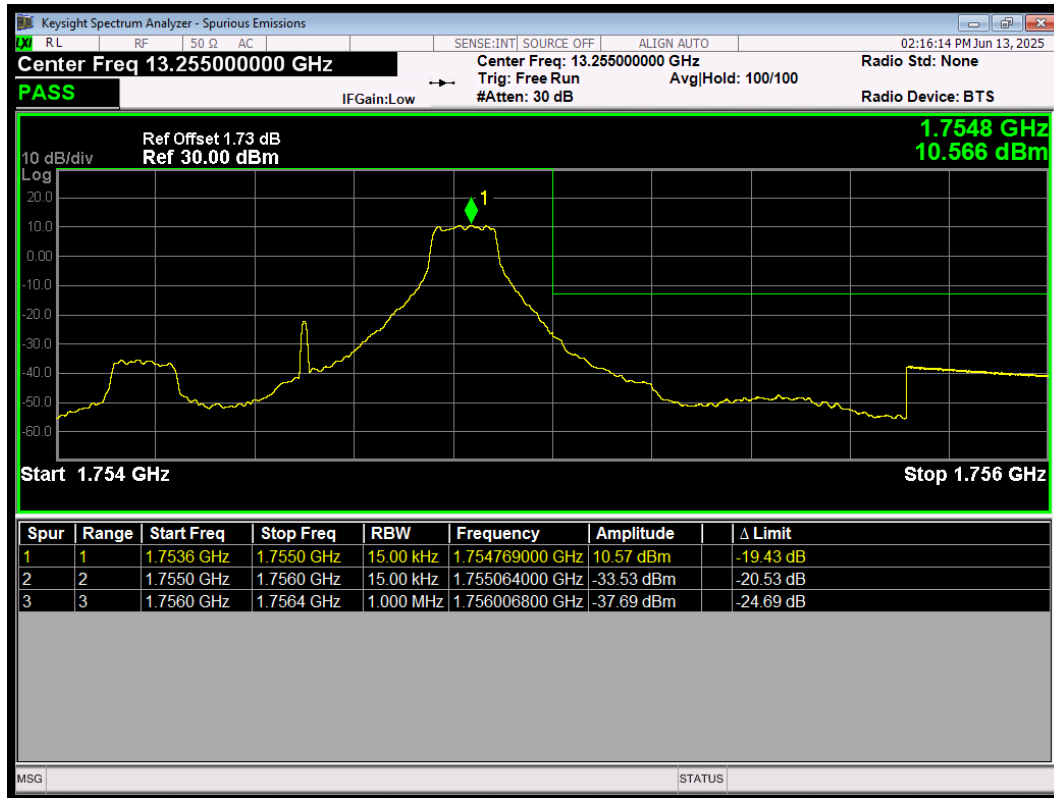
LTE Band 4 Band edge 16QAM BW=5MHz High Channel=20375 RB Size=25 Position=#0



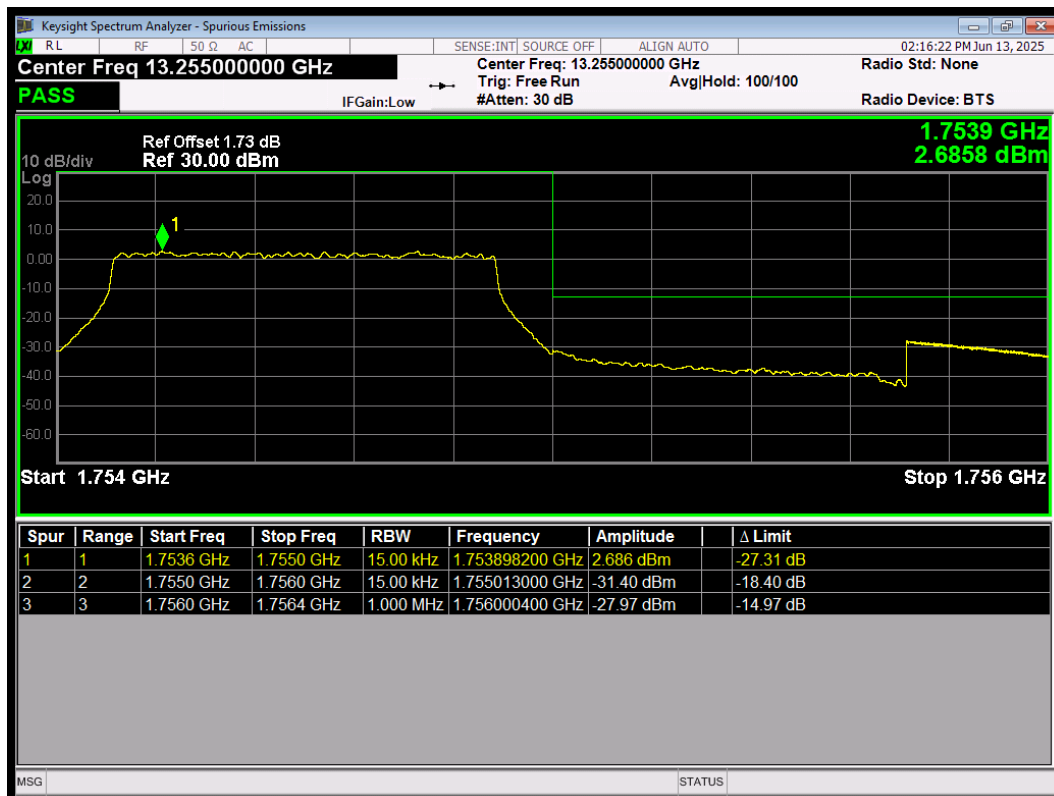
LTE Band 4 Band edge 16QAM BW=5MHz Low Channel=19975 RB Size=1 Position=#0



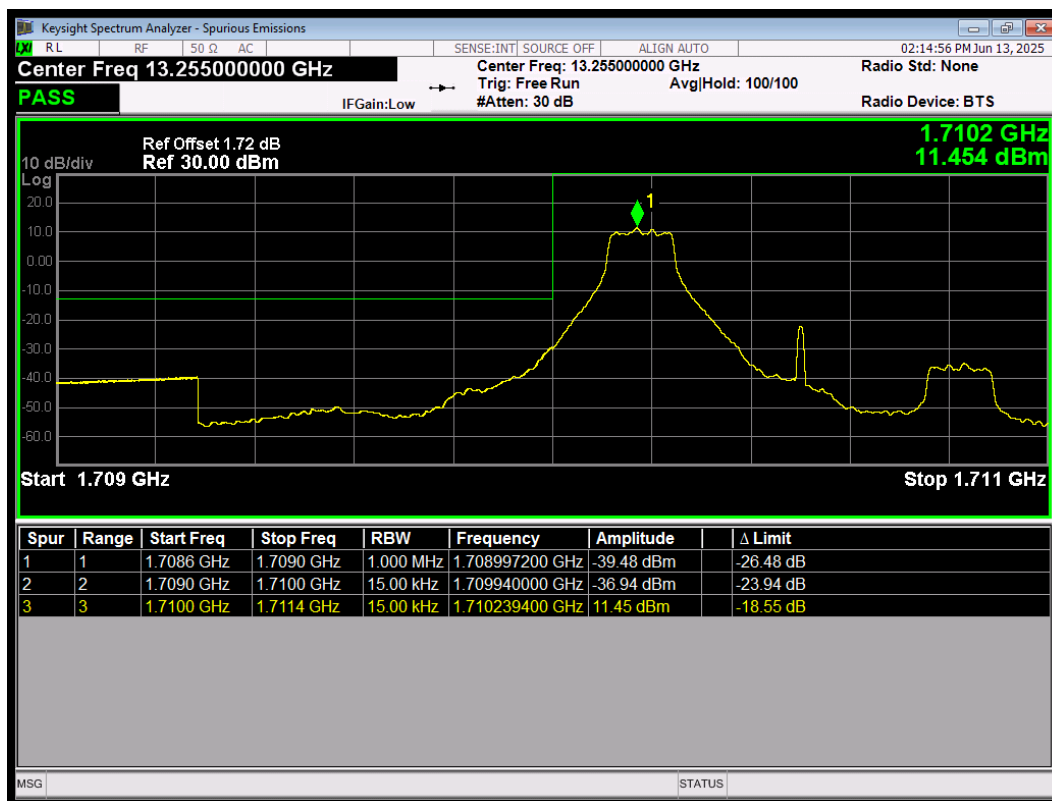
LTE Band 4 Band edge 16QAM BW=5MHz Low Channel=19975 RB Size=25 Position=#0



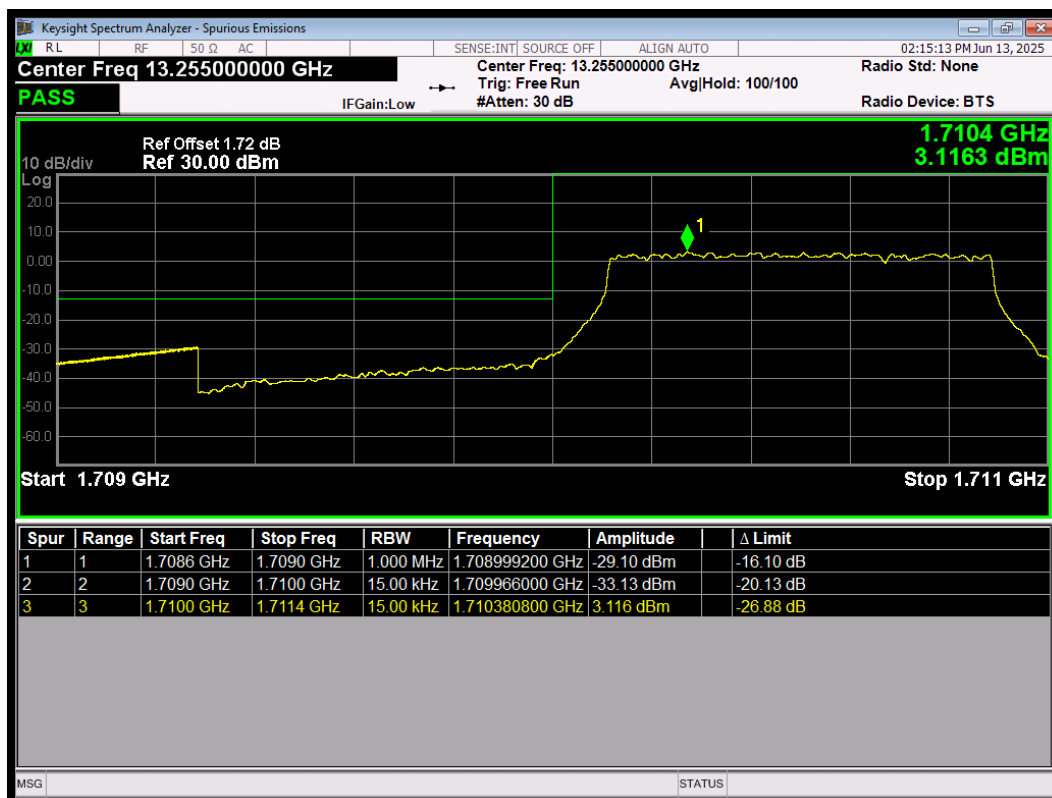
LTE Band 4 Band edge 64QAM BW=1.4MHz High Channel=20393 RB Size=1 Position=#Max



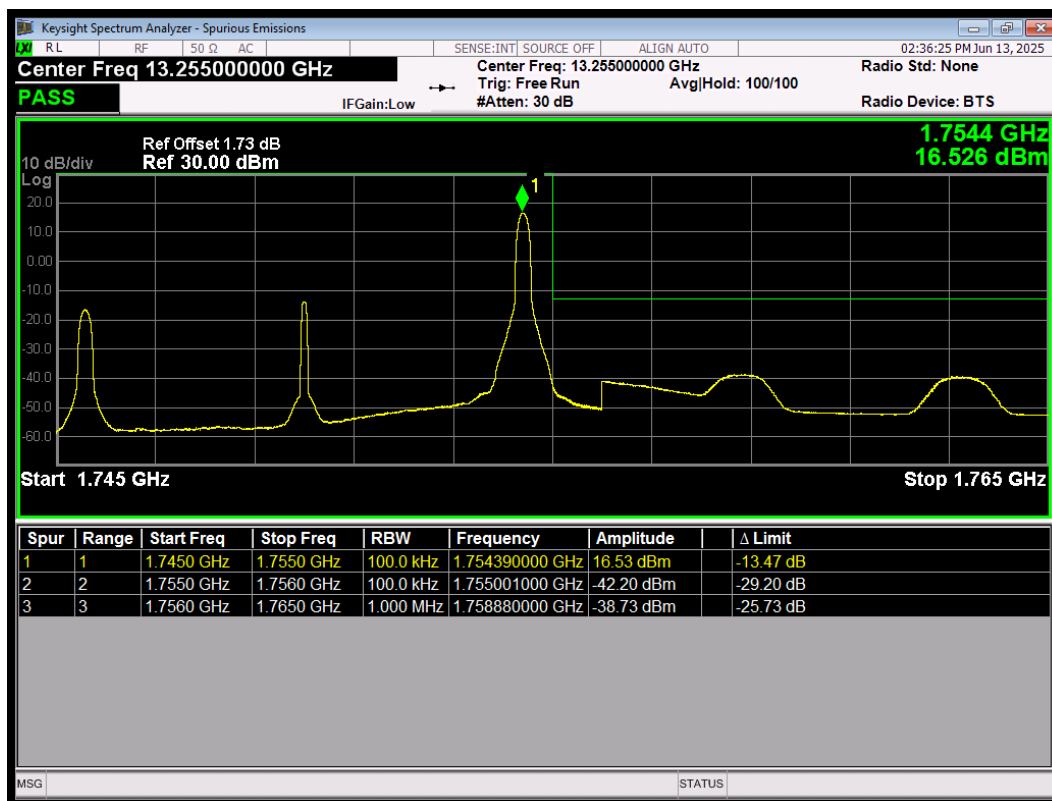
LTE Band 4 Band edge 64QAM BW=1.4MHz High Channel=20393 RB Size=6 Position=#0



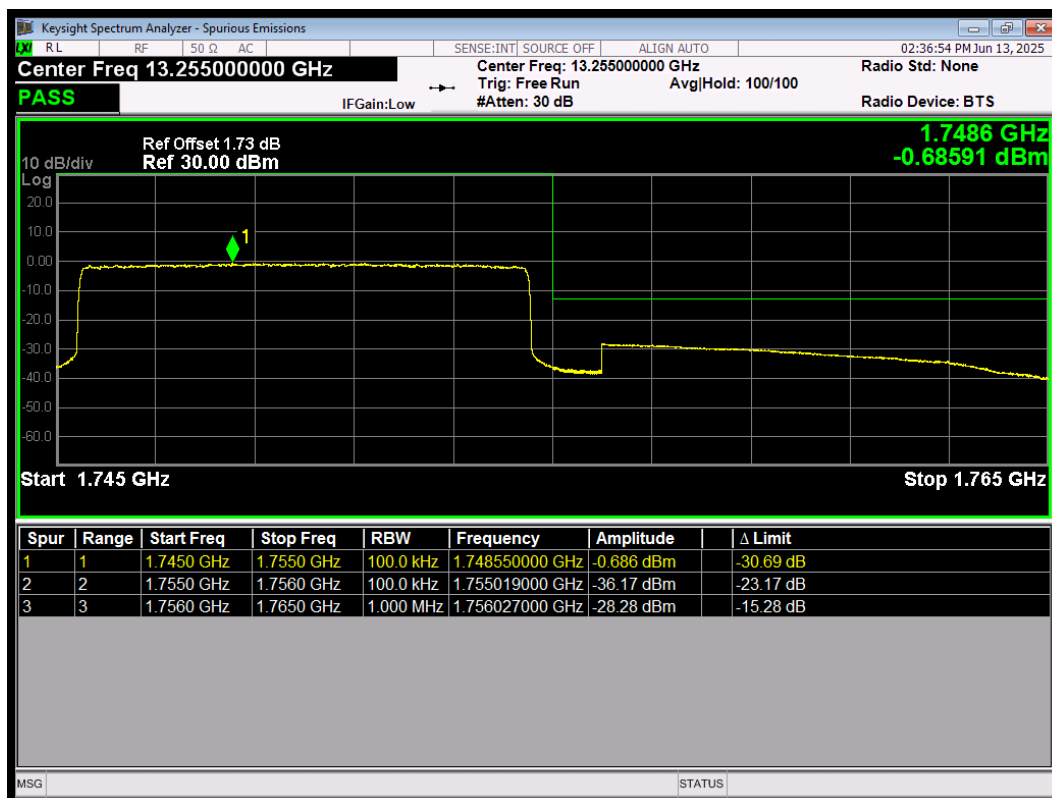
LTE Band 4 Band edge 64QAM BW=1.4MHz Low Channel=19957 RB Size=1 Position=#0



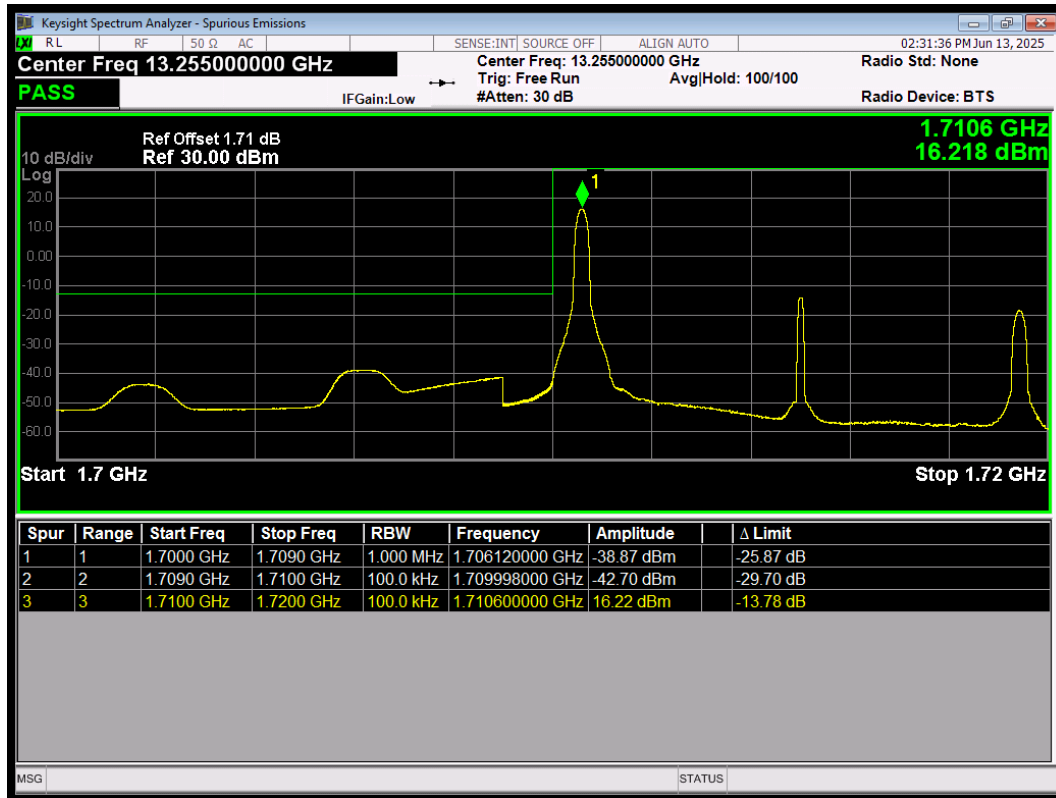
LTE Band 4 Band edge 64QAM BW=1.4MHz Low Channel=19957 RB Size=6 Position=#0



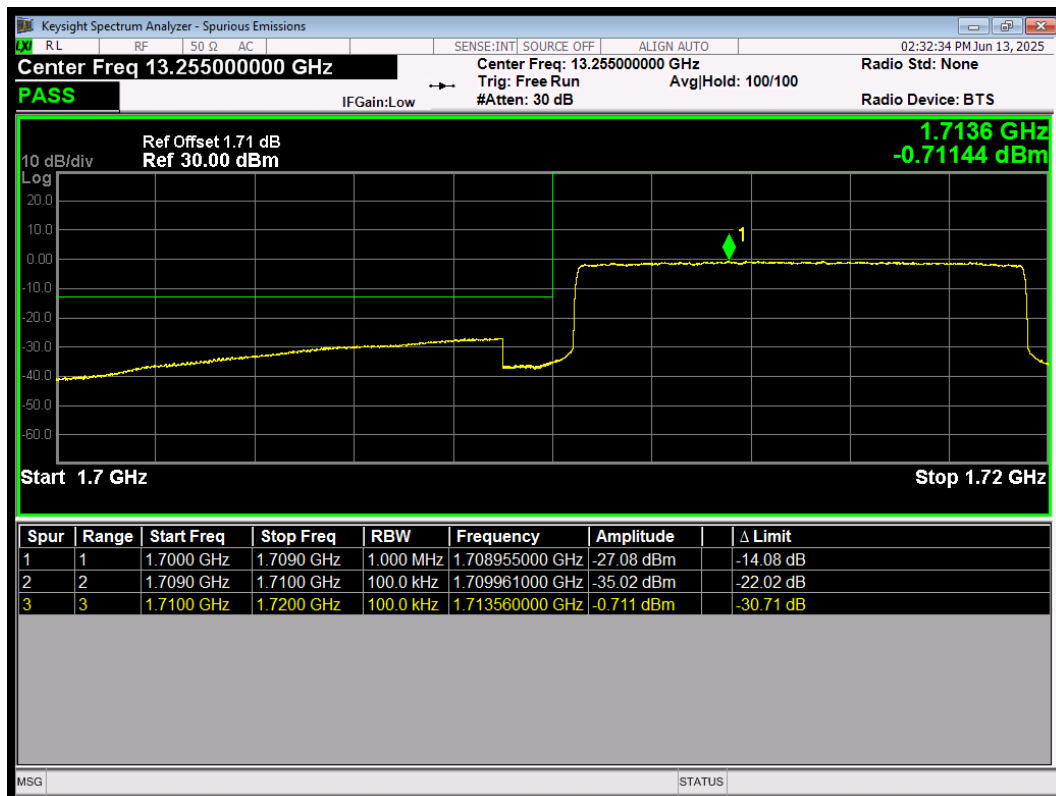
LTE Band 4 Band edge 64QAM BW=10MHz High Channel=20350 RB Size=1 Position=#Max



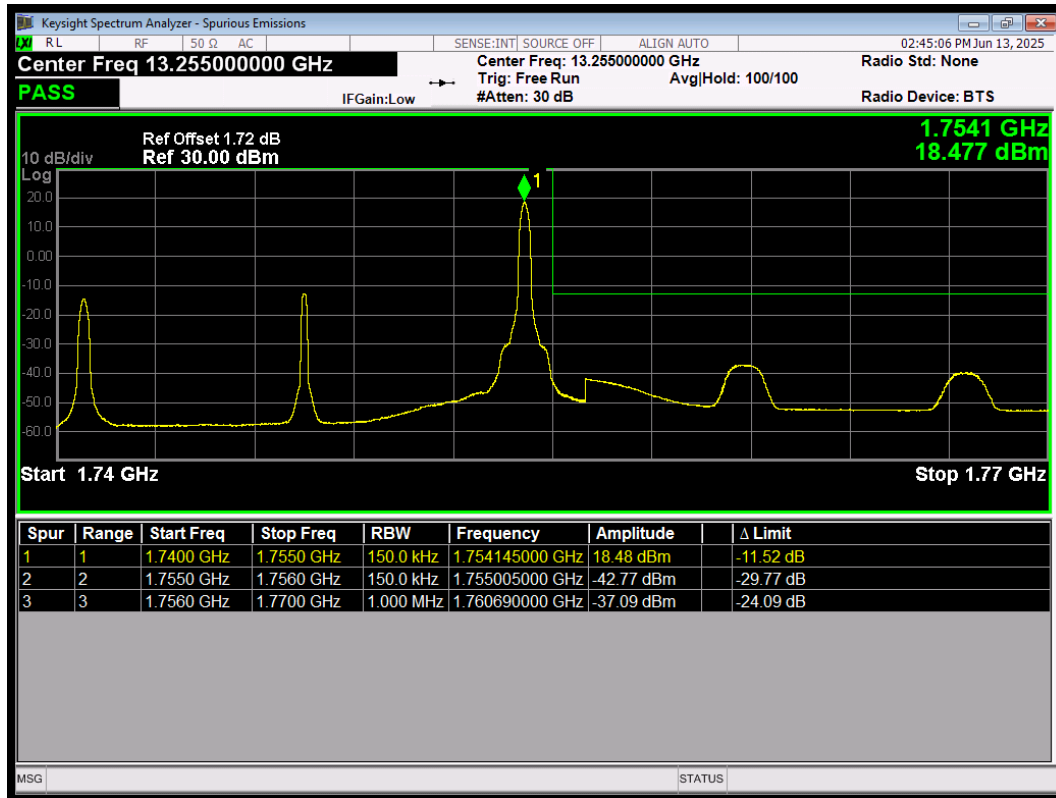
LTE Band 4 Band edge 64QAM BW=10MHz High Channel=20350 RB Size=50 Position=#0



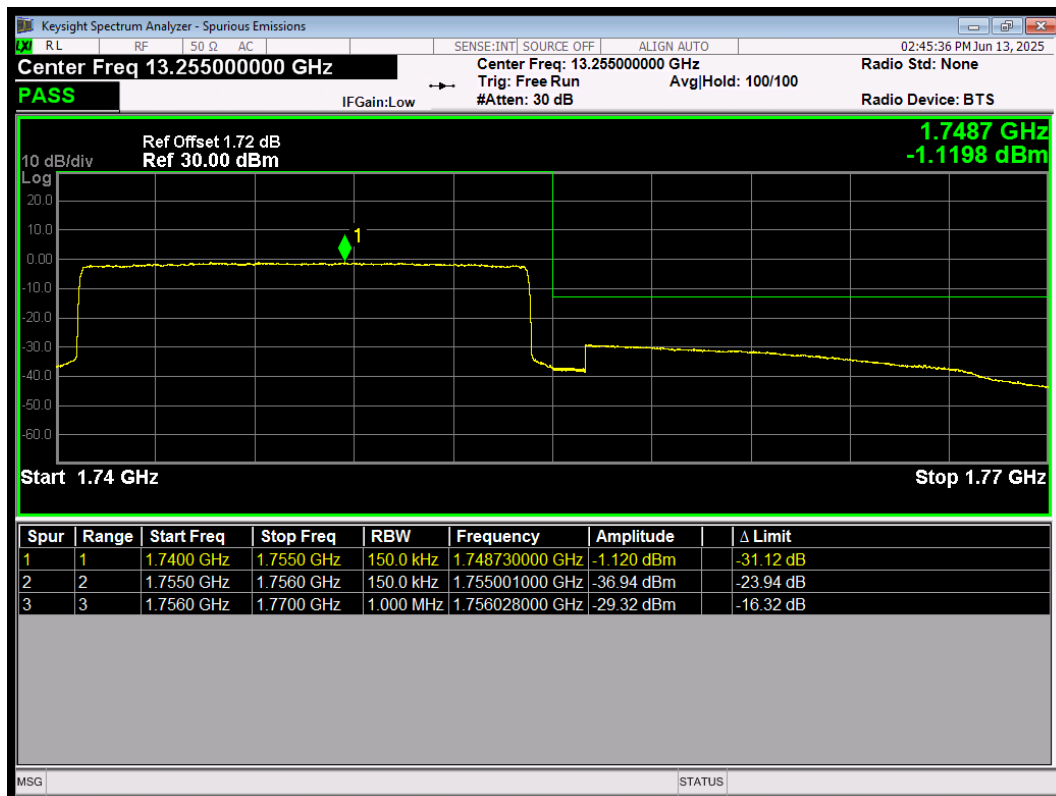
LTE Band 4 Band edge 64QAM BW=10MHz Low Channel=20000 RB Size=1 Position=#0



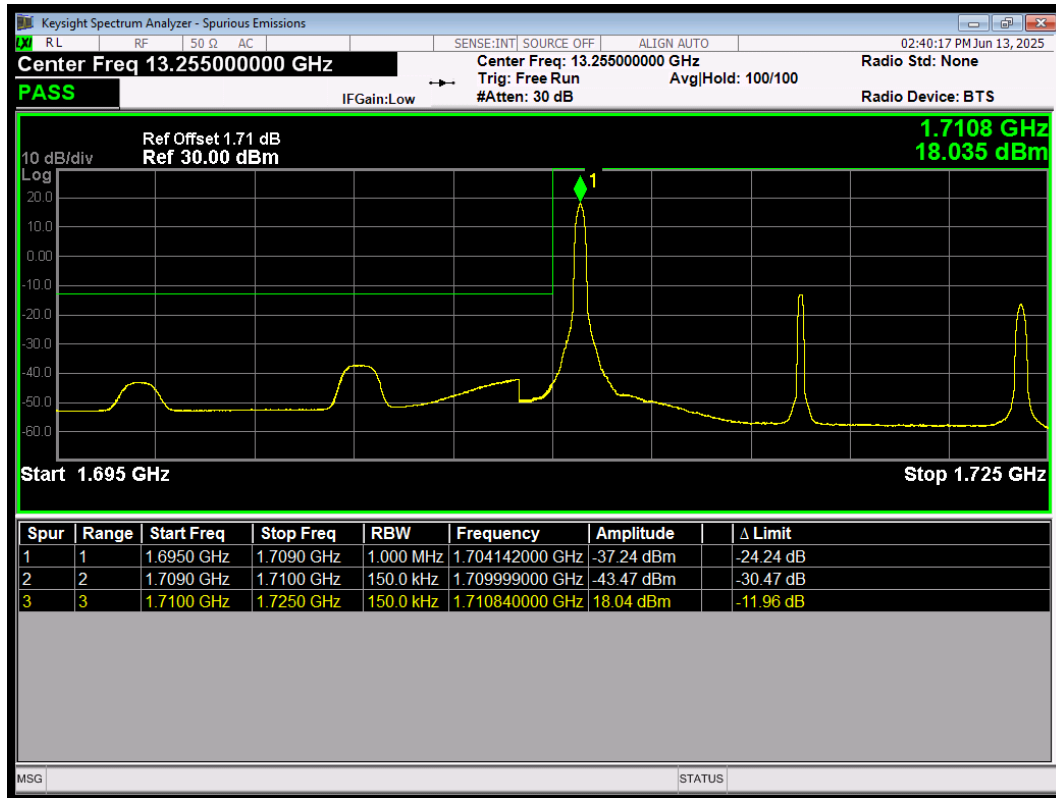
LTE Band 4 Band edge 64QAM BW=10MHz Low Channel=20000 RB Size=50 Position=#0



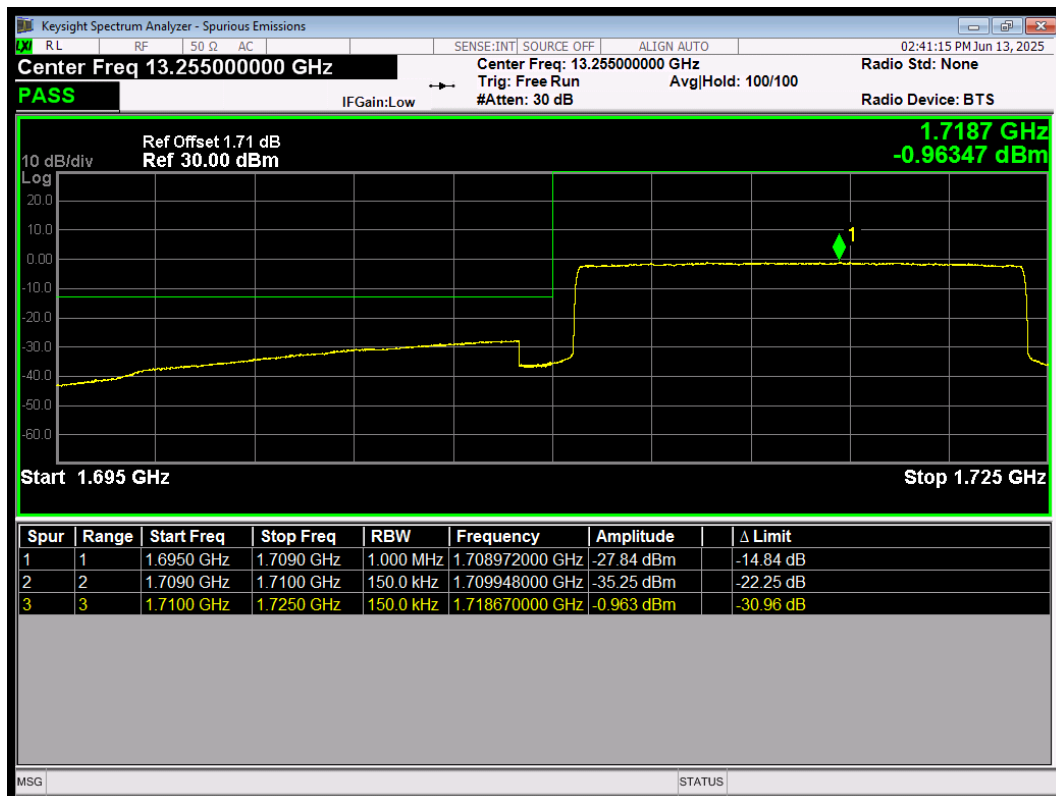
LTE Band 4 Band edge 64QAM BW=15MHz High Channel=20325 RB Size=1 Position=#Max



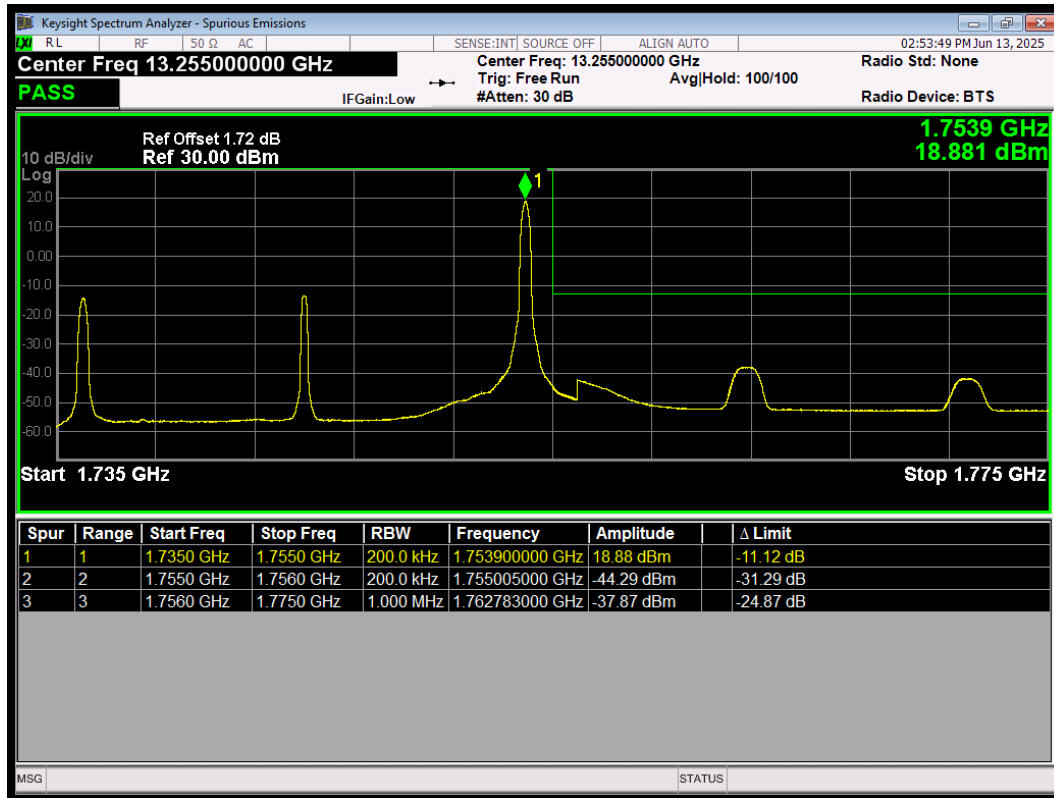
LTE Band 4 Band edge 64QAM BW=15MHz High Channel=20325 RB Size=75 Position=#0



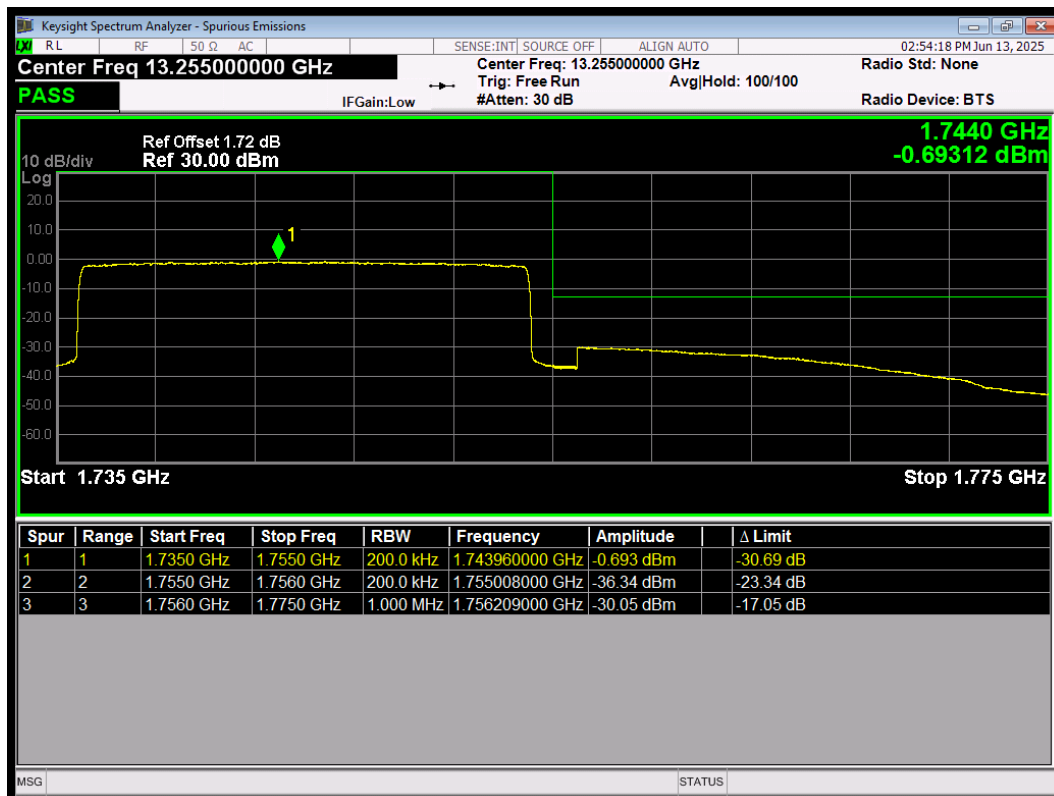
LTE Band 4 Band edge 64QAM BW=15MHz Low Channel=20025 RB Size=1 Position=#0



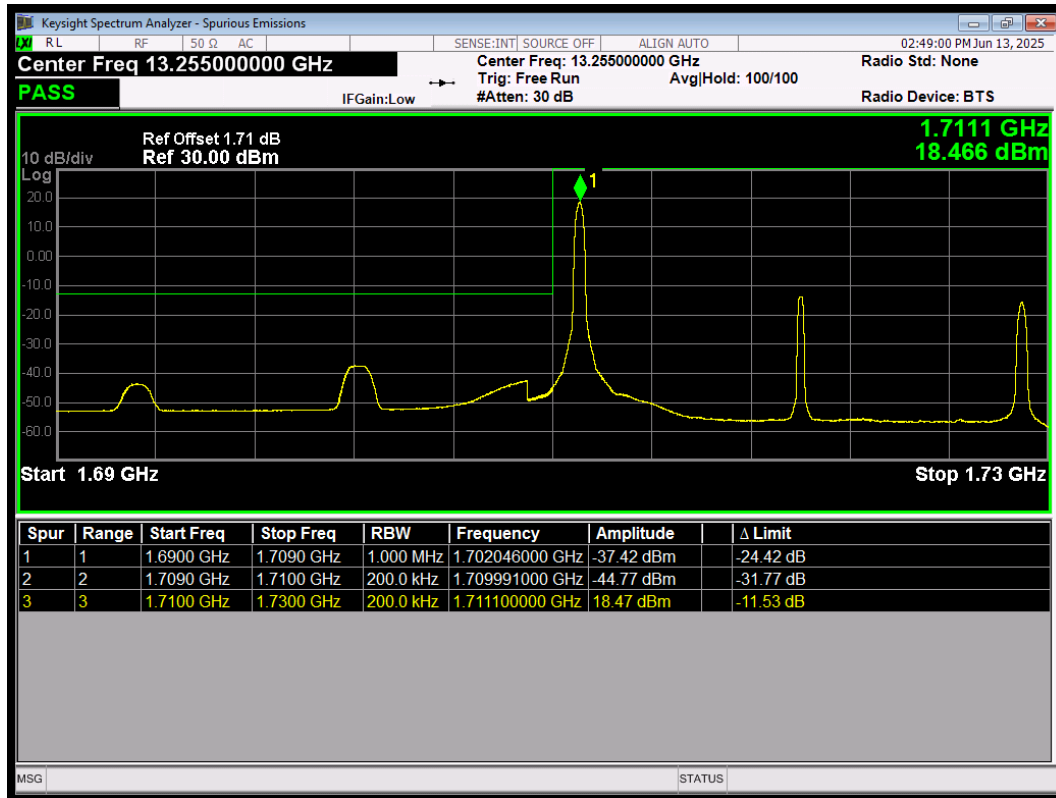
LTE Band 4 Band edge 64QAM BW=15MHz Low Channel=20025 RB Size=75 Position=#0



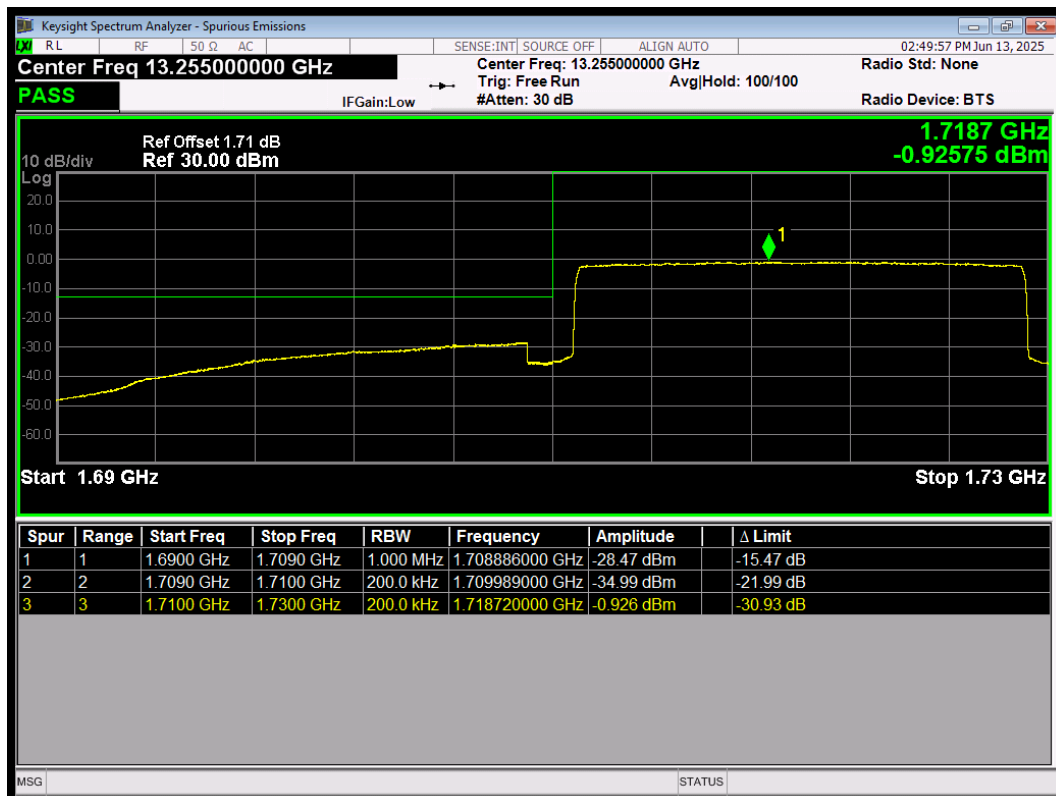
LTE Band 4 Band edge 64QAM BW=20MHz High Channel=20300 RB Size=1 Position=#Max



LTE Band 4 Band edge 64QAM BW=20MHz High Channel=20300 RB Size=100 Position=#0



LTE Band 4 Band edge 64QAM BW=20MHz Low Channel=20050 RB Size=1 Position=#0



LTE Band 4 Band edge 64QAM BW=20MHz Low Channel=20050 RB Size=100 Position=#0